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ABSTRACT

The resource guide identifies products which assist individuals with mobility impairments in accessing IBM (International Business Machine) Personal Computers or the IBM Personal System/2 family of products. An introduction provides a general overview of ways computers can help persons with mobility impairments. The main portion of the document consists of a listing of about 325 products arranged alphabetically within the following categories: keyboard modification, alternate input, switching devices, voice recognition, electronic environment control, alternatives to printed documentation, word processing, and the IBM PC voice activated keyboard utility. Product information includes the manufacturer and a brief description. A separate section lists approximately 250 agencies and associations which provide such services as acting as an information clearing house, legislative monitoring, peer counseling, and sponsoring conferences, workshops and seminars. Agencies are listed alphabetically by city within each state. Also listed by state are about 150 additional resources providing such services as special education and rehabilitation. An index is provided for products, support groups and vendors. (DB)

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FOR PERSONS
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# RESOURCE GUIDE FOR PERSONS WITH MOBILITY IMPAIRMENTS

P.O. Box 2150
Atlanta, GA 30055

1-800-426-2133 (Continental USA Voice or TDD)
(404) 238-4806 (TDD)

EC 223774/2

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July 12, 1989.

# IBM National Support Center

# for Persons

# with Disabilities

The IBM National Support Center for Persons with Disabilities was created to help health care leaders, agency directors, policy makers, employers, educators, public officials and individuals learn how technology can improve the quality of life for the disabled person in the school, home and work place.

The Center responds to requests for information on how computers can help people with vision problems, hearing problems, speech impairments, learning disabilities, mental retardation and mobility problems. While the Center is unable to diagnose or prescribe an assistive device or software, information is provided on what is available and where one can go for more details.

We invite your inquiries on these assistive devices, software and services for disabled persons.

P.O. Box 2150

Atlanta, GA 30055

1-800-426-2133 (Continental USA Voice/TDD)
404 238-4806 (TDD)

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# How to Use This Guide

This guide presents information about some of the technology and services that are available to aid persons with disabilities. Much of the information deals with devices that can be attached to IBM computers to allow a disabled individual to lead a more independent and productive life.

**The guide is organized as follows:**

**Introduction**

This section provides a general overview of the ways computers can help persons with disabilities.

**Technology**

Products are arranged alphabetically within their respective categories. The product information includes the manufacturer and a brief description of the product. Refer to the index to locate a product or company by name. Please contact the companies directly for additional product information and prices.

**Support Groups**

Agencies and associations and additional resources available to persons with disabilities are listed in this section. The entries are arranged alphabetically by city within state. Refer to the index to locate a particular group by name. Please contact the organizations directly for specific details.

**Index** - The index contains three parts:

- P - Products: alphabetic list by product name.
- S - Support Groups: alphabetic list by organization name.
- V - Vendors: alphabetic list by company name.

# Introduction

To people with a mobility impairment, computer technology provides an opportunity to gain independence in daily living and working activities. The computer may, however, require modifications to become accessible for an individual with a disability affecting motor control.

Because impairments affecting motor control exist in differing degrees of severity, it is necessary to consider all areas of needs when choosing a computer for an individual with a physical disability. Among the needs to be addressed are the degree of mobility, positioning, endurance and communication.

The needs of some individuals may be met with modifications to standard computer equipment. Others may need to replace the standard input device or add software so that the computer is tailored to their specific needs.

**MODIFICATIONS TO STANDARD KEYBOARDS**

Some people with physical disabilities can use a standard computer keyboard, but may type with one hand, one or two fingers, a head pointer, a mouthstick, a handstick or with reduced fine motor control. For these situations, there are software and hardware modifications that simplify keyboard operations.

Persons who have reduced motor control or who use a headstick or mouthstick to press the keys may need some means of preventing accidental keystrokes. A **KEYGUARD** is a keyboard overlay with holes positoned over each key. It helps the user to stabilize finger, hand or stick movement and to select a key without accidentally activating others.

Standard IBM keyboards have a built-in **AUTO-REPEAT** feature. If a key is held down long enough, it will begin repeating and extra characters may be typed unintentionally. Software programs are available to slow down or eliminate this feature.

**SINGLE-FINGER** programs allow the user to change the operation of keys such as SHIFT, CONTROL and ALT so that two or more keys do not have to be pressed simultaneously. **KEYLATCHES** that toggle off and on may also be used to lock down keys temporarily.

For the typist able to use only one hand, **KEYBOARD REDEFINITION** programs allow the value of each key to be reassigned and permit the keyboard layout to be designed to meet a user's needs. For example, keys may be reassigned to distribute the typing load more evenly between the fingers on one hand. Keyboards with layouts designed for right- or left-handed typing are also available.

## ALTERNATIVES TO STANDARD KEYBOARDS

In some instances, substitutes or replacements for the standard keyboard may be required. An individual who can press on a flat surface but cannot depress keys may be able to use a **MEMBRANE KEYBOARD**. Other alternatives are **EXPANDED KEYBOARDS** with larger keys for those who can target only large areas and **MINIATURE KEYBOARDS** for those with an extremely limited range of movement of their limbs. Some of these keyboards may be tailored to allow single keystrokes to produce frequently used words or phrases.

## ALTERNATIVE INPUT METHODS

A keyboard is the most commonly used method of providing input to a PC. For an individual with a motor control impairment who may not be able to use a keyboard effectively with adaptations such as those just described, other input methods have been developed. The computer accepts characters or commands coming from these alternative input methods just as if they were coming from the computer's standard keyboard. When choosing an alternative method for computer input, one should make sure that it will work with all software applications to be used, such as word processing programs, database programs and educational programs.

One method for input uses a device called a **SWITCH** to enter the same data that can be typed at a keyboard. A user chooses from a wide variety of commercially available switches that are activated by almost any motion of any part of the body. A switch is adapted to a user's abilities - the voluntary actions that the user can reliably control. For example, a switch may be turned "on" or "off" by sipping and puffing on a tube, wrinkling the eyebrows or making contact with a metal plate. A **SWITCH INTERFACE**, which can be a software program or hardware device, acts as the link between the switch and the computer.

One technique for operating a computer with a switch is **SCANNING**. The user selects the desired characters or words from the computer display or a separate panel. With scanning, a cursor or highlighted area moves repeatedly from one character (or group of characters) to the next. With several switch activations, the selection is entered into the computer as if it had been typed at the keyboard.

Another technique using a single or dual switch is **MORSE CODE**. The switches connect to an adapter that translates the pattern of dots and dashes into standard keyboard signals. The advantage of Morse code is that it may be faster than scanning for some people and does not require a separate panel or occupy a part of the computer screen.

With a **DIRECT SELECTION** method, the user "points to" the target items through a single action such as eye gaze, head pointer or light beam. The characters selected may be displayed on the computer terminal or on a separate panel.

**VOICE RECOGNITION** is an alternative input method by which a computer accepts a spoken command. A computer can only do this if it has a previously stored voice pattern to compare with the incoming sound. With some voice recognition systems, the person using the system must first train the computer by speaking several repetitions of the key word or phrase into the microphone attached to the computer. The computer saves this as a voice pattern.

To use a voice recognition system successfully, an individual should be able to reproduce the same speech patterns that were used when setting up the system; that is, the user needs to speak the same way every time. When the computer receives voice commands for input to the system, it matches these against the stored voice patterns and executes the keystrokes that were set up for that command.

**ACCELERATION TECHNIQUES**

In conjunction with the modified and alternative input methods, other adaptations are available to increase the rate of input from the keyboard or an alternative device. **ABBREVIATION EXPANSION** allows the user to input a predefined shorthand version of a word or phrase that is automatically expanded by the computer into fully spelled words. **WORD LISTS** or **WORD PREDICTION** use the initial letter(s) of the words entered and present a dynamic menu of word choices. The user then selects the whole word from the menu, rather than typing each letter.

Acceleration techniques may be available as separate software programs that will run with an application program or as built-in features of word processing packages or multi-purpose adaptive software programs. In addition, acceleration features are included in some programs that modify keyboard operation and in software programs for alternate input systems.

**ELECTRONIC COMMUNICATION AIDS**

Individuals who have a physical disability that also affects the muscles used in speaking may benefit from technology that can enhance oral communication. In such cases, portable devices that provide synthesized speech output or written output can aid communication. These devices may be accessed in a variety of ways, including touch-sensitive keyboards, switches and optical pointers. The devices may be used standalone or, in some cases, as alternate input to a computer.

**ENVIRONMENTAL CONTROL**

A computer program helps an individual operate lights, a radio, television, a telephone or most any electrical device. For example, by using an environmental control device and a switch or voice recognition system, a person with reduced motor control can turn appliances on and off. In addition, some environmental control aids also function as input to a computer for purposes such as word processing.

# Technology

## Keyboard Modification

Many individuals with a disability can use a standard IBM PC keyboard but may be under the constraint of typing with one hand, with only one or two fingers, with a head pointer, mouthstick or handstick or with poor motor control. Hardware and software adaptations to the standard keyboard assist a person in achieving productive, efficient and accurate typing on the computer keyboard.

For persons who need some means of preventing accidental keystrokes, keyguards are a common modification. A keyguard is a plate which fits over the top of a keyboard and has holes over some or all of the keys. It allows the user a place to rest the hands while typing, but primarily it is designed to prevent inadvertent key presses caused by poor motor control or other factors.

Some other adaptations for the one-finger, one-hand or stick typist are key latches and single-finger programs. Key latches are levers positioned over keys such as SHIFT, CONTROL or ALT which can be locked down on these keys. Single-finger programs allow the user to change the operation of keys so that they do not need to be pressed at the same time as another key. Keyboard redefinition programs allow the value of each key to be reassigned so the user can create a layout tailored to individual needs.

Software programs are also available to enhance a person's typing speed and accuracy by reducing the number of keystrokes needed to produce words, phrases, sentences or paragraphs. For example, abbreviation expansion programs can accept a few predefined keystrokes from the keyboard ("macros" or abbreviations) and expand them automatically into longer strings of characters (user-defined). Word prediction programs work off the initial letters of words as they are typed and present the user with a dynamic "menu" of the most commonly used words that begin with that letter. The user then selects the whole word from the menu, rather than typing each letter of the word separately.

**PRODUCT: Autokey/3270**
VENDOR: CDI Systems
2803 Butterfield
Oakbrook, IL 60521
(312) 574-5900

**PRODUCT DESCRIPTION:** Autokey/3270 is a software package that automates keystrokes on a PC interacting with a host computer through a 3270 emulator. It may be used for everything from automating repetitive tasks, such as the logon procedure, to building complex distributed applications.

**PRODUCT: Cacti Word Processor**
VENDOR: Cacti Computer Services
130 9th Street SW
Portage la Prai
Manitoba, R1N 2N4
Canada
(204) 857-8675

**PRODUCT DESCRIPTION:** Cacti Computer Services will write custom software for IBM computers if a disabled person is unable to find appropriate software for a particular purpose. One program is a simple word processor which operates without the requirement of using multiple keys (e.g., control-P) for some functions. It performs many basic word processing functions (save, load, insert, delete), but does not perform fancier functions such as block moves. Everything is controlled with single keystrokes.

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**PRODUCT: CTRL, ALT and SHIFT Key Adaptation**
VENDOR: Loyola High School, Society of Jesus
Loyola High School
Towson, MD 21204
(301) 435-1833

**PRODUCT DESCRIPTION:** CTRL, ALT and SHIFT Key Adaptation is a program for one-finger operation of keys which normally have to be pressed at the same time as another key. The program resides in memory and is in effect while the user runs standard software applications programs. Typing CONTROL, SHIFT or ALT will automatically affect the next keystroke (i.e., striking CONTROL and then "a" triggers CONTROL-A). Successive keystrokes are not affected. A CONTROL-ALT-DELETE combination (system re-boot) can also be executed sequentially. Certain programs have been tested and found compatible with this program, while others have been found incompatible. The program is not copy-protected, and the cost covers updates.

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**PRODUCT: Dreamer**
VENDOR: T.S. Micro Tech Inc.
12565 Crenshaw Blvd.
Hawthorne, CA 90250
(213) 644-0859 213/644-0567FAX

**PRODUCT DESCRIPTION:** Dreamer is an intelligent, add-on function keyboard that provides single-keystroke access to multiple-keystroke functions. In addition to the special toggle keys for CTRL, ALT, SHIFT which turn the key ON or OFF, there is a numeric keypad and 30 other keys that are programmable or can be customized. The Dreamer is 7" x 10" and is used with the existing PC keyboard. There is no software involved, and the training is minimal. There are variations of the Dreamer. The Dreamer and the PC keyboard are daisy-chained. Programmable models in 50-key configurations are available.

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**PRODUCT: Dvorak Keyboard Converter**
VENDOR: Typewriting Institute for the Handicapped
3120 W. Augusta Avenue
Phoenix, AZ 85021
(602) 939-5344

**PRODUCT DESCRIPTION:** Dvorak Keyboard Converters are alternate computer keyboards that function like the standard keyboard but have the keys laid out in the Dvorak configuration, a system that reduces strain and increases efficiency for a person typing with only one hand. The Dvorak layout distributes the typing load more evenly for each finger on the one-hand typist's hand than does the standard layout. Right handed and left handed models are available.

---

**PRODUCT: Dvorak Keyboard Modification Programs**
VENDOR: Dvorak International
11 Pearl Street
Brandon, VT 05733
(802) 247-6020

**PRODUCT DESCRIPTION:** Dvorak International carries many programs which allow the user to remap the computer keyboard to the Dvorak configuration. Programs for the IBM PC family of computers include PC/Dvorak and a software typing tutorial called Dvorak QED Typing Made Easy. Keyboard overlays and one-handed Dvorak layouts are also available. Dvorak International provides listings of other programs sold by other individuals and institutions that will change the keyboard layout. They also have information on software typing training for Dvorak typewriters, keyboard overlays and custom keyboards.

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**PRODUCT: Dvorak One-Handed Keyboard**
VENDOR: Typewriting Institute for the Handicapped
3120 W. Augusta Avenue
Phoenix, AZ 85021
(602) 939-5344

**PRODUCT DESCRIPTION:** Available in either left or right handed models, this keyboard looks like a conventional keyboard. The keys are scientifically arranged concentrating the frequently used letters in the center of the keyboard. The basic advantage of this keyboard is the elimination of muscular contortions and strenuous reaches. The keyboard layout has been determined to provide a typewriting load to each finger in proportion to its strength and flexibility. The price includes a textbook of the Dvorak Training Plan, making it a simple procedure for someone to learn to use the keyboard.

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**PRODUCT: echoBOX**
VENDOR: Inmar Inc.
1223 Peoples Ave.
Troy, NY 12180
(800) 634-6692 (518) 271-6685

**PRODUCT DESCRIPTION:** echoBOX is a "robot typist" that remembers what you type at your keyboard. echoBOX will automatically input 24 of your most frequently used software commands or other keyboard input to your PC - at the press of a button. echoBOX eliminates repetitive typing of routine keyboard input.

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**PRODUCT: Evaluation Kit**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** This set of adaptive devices allows teachers, physical therapists and other rehabilitation specialists to work with individuals having severe physical handicaps to determine appropriate interfaces with IBM PCs. Pressure plates and switches, an eyebrow switch, fist/foot keyboards, a breath switch, a membrane keyboard, a heavy-duty joy stick and table-top or wheelchair mountings are available. Cost varies with components selected.

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**PRODUCT: Expanded Computer Keyboards**
VENDOR: EKEG Electronics Company LTD
P.O. Box 46199, Station G
Vancouver, BC V6R 4G5
CANADA
(604) 685-7817

**PRODUCT DESCRIPTION:** Expanded Computer Keyboards are large panels that operate exactly like standard computer keyboards, but with larger keys. These keyboards contain their own microprocessor and connect in such a way that the standard keyboard can remain in operation. Latching switches are provided for keys such as SHIFT which would normally have to be held down with another key. Keyboards are flat which allows overlay to be added. A light shows when a key is latched. Expanded Computer Keyboards send the same output to the computer as the standard keyboard to which they are equivalent, allowing the user to perform all the same functions. A keyguard is available for the IBM PC (extra).

---

**PRODUCT: Filch 2.2**
VENDOR: Kinetic Designs Inc.
14231 Anatevka Lane SE
Olalla, WA 98359
(206) 857-7924

**PRODUCT DESCRIPTION:** Filch is a programmable keyboard filter software program that offers multiple keyboard aid functions on an IBM PC or any PS/2 model. In addition to the common multiple one finger typing modes, software keyguard functions and keyboard auto-repeat controls, Filch provides cognitive and ergonomic benefit. Filch comes with an interactive tutorial and bound manual, a full function text editor and helpful utilities, including a keyboarding capability assessment program, called Evaluate. Filch 3.0 provides, in addition to Filch 2.2) keyboard macros. Increased control over the keyboard for tremors and response time.

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**PRODUCT: FlexShield Keyboard Protectors**
VENDOR: Hooleon Corporation
Page Springs Road
P. O. Box 201
Cornville, AZ 86325
(602) 634-7515  602/634-4620FAX

**PRODUCT DESCRIPTION:** FlexShields are transparent keyboard protectors allowing instant recognition of keytop legends. They have a matte finish to reduce glare. The protector fits over the entire keyboard to prevent dust, spills, ashes or any foreign object from entering the key area. Can be used with keytop labels which fit over the keys or attach to the FlexShiels, allowing for customizing of the keyboard and changing programs.

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**PRODUCT: Footmouse**
VENDOR: Resource Exchange Association
220 No. Dunlap St.
Petersburg, VA 23803
(804) 733-0287

**PRODUCT DESCRIPTION:** Footmouse is a cursor control device operated by foot movement. The base of the Footmouse remains on the floor, and the cursor is moved by sliding the foot over the base in an up, down, left or right motion. Footmouse performs all the functions of the standard keyboard cursor keys, including auto-repeat if held down. Footmouse plugs in between the keyboard and the computer; it does not interfere with normal keyboard operations when in use.

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**PRODUCT: Freedom Writer**
VENDOR: World Communications
501 Glenmoor Circle
Milpitas, CA 95035
(408) 262-2870

**PRODUCT DESCRIPTION:** Freedom Writer is a word processor specifically designed for individuals with disabilities. It can be operated entirely with an "on screen keyboard" and pointing devices such as a mouse, light pen or joystick or a single key from the computer keyboard. All steps involved from writing, editing and printing are handled with minimum effort. The user has instant access to the most commonly used words. In addition to 12,000 fixed words, the user can store up to 5000 words and up to 200 phrases. The Freedom Writer may be used to write computer programs as well as documents. It has all the standard word processing features such as block move, block copy, underlining, heading and footing. Memory requirements are 192 K. The vendor may be contacted for a free demonstration disk.

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**PRODUCT: Help U Type**
VENDOR: World Communications
501 Glenmoor Circle
Milpitas, CA 95035
(408) 262-2870

**PRODUCT DESCRIPTION:** Help U Type is for people who have difficulty using the computer keyboard, for those who hate repetitive commands, words and phrases and for the people who want to increase productivity and reduce spelling mistakes. It's for those who use one or two fingers, mouthsticks, headsticks or keyguards.

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**PRODUCT:** Key Tronic Plug-Compatible Keyboards
VENDOR: KeyTronic
P.O. Box 14687
Spokane, WA 99214
(800) 262-6006

**PRODUCT DESCRIPTION:** Key Tronic Plug-Compatible Keyboards function like their standard counterparts, but offer different layouts. Among the features offered are function keys along the top of the board (rather than on the left as on a standard PC keyboard), separate cursor and numeric keypads, different locations for some of the non-character keys and Dvorak layouts. Price differs between models of the keyboards. The KB 5150 has the same layout as a standard PC/XT, but with some different features, including the option for one-finger typing adaptation. The KB 5151 models have separate numeric and cursor keypads and can be changed to Dvorak configuration with a conversion kit. These keyboards are available for the IBM PC XT; some models have special handicapped versions.

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**PRODUCT:** KEYBOARD COVERS
VENDOR: Glen Weil
Westland Estates
4139 Paramount Blvd.- S.P. 57
Pico Rivera, CA 90660
(213) 692-4939

**PRODUCT DESCRIPTION:** These custom-made plastic keyboard covers come in half size for individuals who need a key cover for the return key or a full size cover designed by the user. The cover may also be designed to be used on a typewriter.

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**PRODUCT:** Keyboard Rest
VENDOR: IBM Corporation
Parts Order Center
P. O. Box 9022 - Dept. E54
Boulder, CO 80301-9022
(303) 924-4100

**PRODUCT DESCRIPTION:** Keyboard rest (keyguard) for IBM Selectric I, II, and III typewriter models (keyboard rests are not available at this time through IBM for electronic typewriters or personal computers). The appropriate keyboard rest, based on Selectric model type, can be ordered by calling the IBM Parts Order Center in Boulder, CO. To find out the correct part number, call (303) 924-4015; to order the part number, call (303) 924-4100 (or you can be transferred from the previous number after securing the part number). NOTE: PAPER ROLL HOLDERS, TEAR-OFF BLADES, and BOARD ARMRESTS are also available for IBM Selectric models. Part numbers can be obtained or orders placed for these products by using the same phone numbers listed above.

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**PRODUCT: Keyboarding for the Physically Handicapped**
VENDOR: Gregg/McGraw-Hill
1221 Avenue of the Americas
New York, NY 10020
(800) 262-4729

**PRODUCT DESCRIPTION:** Keyboarding for the Physically Handicapped is a touch-typing tutorial program for disabled individuals. The program provides the user with many options for combination of fingers on either or both hands to be used during typing. Each option contains a chart showing which fingers to use for the home-row keys and which to use to reach other keys. Separate speed tests and drill materials help the user to build keyboard typing skills.

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**PRODUCT: Keyboarding with One Hand**
VENDOR: Educational Electronic Techniques, LTD
1088 Wantagh Ave.
Wantagh, NY 11793
(800) 433-8872 (516) 221-4173

**PRODUCT DESCRIPTION:** Keyboarding with One Hand instructs and drills an individual with the use of only one hand in efficient keyboarding. The program allows full printout. After mastery of the first ten lessons, the basic elements of word processing are introduced. The user types, saves, recalls and prints with this program. The program consists of two disks, one containing instructional material, another containing a series of drills.

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**PRODUCT: Keyguard**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** This keyguard for the IBM PC is made of dark brown plastic and has 0.6"-diameter holes for each key location. The keyguard prevents the user from inadvertently pressing more than one key at a time. Software is provided to allow single finger typing, eliminating the necessity of holding down two keys at once. Hook-and-loop type fasteners are provided for attaching the keyguard. For information on custom keyguards, contact Prentke Romich. If a typewriter keyguard is ordered, the typewriter must be shipped custom fit.

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**PRODUCT: Keyguard**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** The TASH keyguard for computers is a metal shield with holes over the key positions which help prevent the unintentional activation of more than one key at a time. Velcro fasteners for mounting are included.

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**PRODUCT:** Keyguard
VENDOR: ComputAbility Corporation
101 Route 46 East
Pine Brook, NJ 07058
(800) 345-4076 (201) 882-0171

**PRODUCT DESCRIPTION:** This is a clear plastic keyguard which was designed for use on the IBM 101 enhanced keyboard and is attached with velcro. Included is a program for staydown of the SHIFT, ALT, and CTRL keys. Optional manual latchdown levers for these keys are also available.

---

**PRODUCT:** Keyguards
VENDOR: COPH-2
2020 Irving Park Road
Chicago, IL 60618
(312) 866-8195

**PRODUCT DESCRIPTION:** Simple, low cost adaptation which provides PC keyboard access to students who use headsticks, handsticks or single finger control. This device permits sliding the hand or a stick across the keyboard without activating the keys. Keys are pressed by pushing finger or pointer stick through holes that are directly over each key.

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**PRODUCT:** KeyStopper Kit
VENDOR: Hooleon Corporation
Page Springs Road
P. O. Box 201
Cornville, AZ 86325
(602) 634-7515 602/634-4620FAX

**PRODUCT DESCRIPTION:** This kit helps a user prevent data loss through accidental keystrokes. KeyStopper devices restrict the use of individual keys without damaging the keyboard. Each kit contains four each of "hard" and "soft" KeyStoppers: the hard key lockouts disable a key, the soft key lockouts partially immobilize a key, requiring more pressure to operate a key.

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**PRODUCT:** Keyswap 4.0
VENDOR: Maverick Software Inc.
533 Main St. - Suite 10
Melrose, MA 02176
(617) 662-0856

**PRODUCT DESCRIPTION:** Keyswap combines keyboard enhancement features with macro functions, including the ability to redefine keys and edit macros. The program enables a user to keep a library of macros, organizing them by function. The new version contains windowing capabilities, enabling users to switch between two different applications and to execute DOS commands from within an application. Also contains "cut and paste" capabilities so that users can capture information from their screen, save it in a macro and call it back from within another application. Keyboard macros can also be turned on and off with a hot key. The memory requirement is 42K.

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**PRODUCT:** KeyUp
VENDOR: Ability Systems Corporation
1422 Arnold Ave.
Roslyn, PA 19001
(215) 657-4338

**PRODUCT DESCRIPTION:** KeyUp is a "device driver" keyboard software program for physically impaired persons. It eliminates unwanted repeats by generating a character only when one key is released; it allows single finger shifts and turns repeats on and off; it runs transparent to DOS and other programs, occupying less than 3K of system memory. A fully functional demo is available.

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**PRODUCT:** Keyworks
VENDOR: Alpha Software Corp.
1 North Ave.
Burlington, MA 01803
(617) 229-2924

**PRODUCT DESCRIPTION:** Keyworks is a memory-resident keyboard macro enhancer that allows the user to record a complex series of keystrokes within any application program and play the entire series back with one keystroke. Keyworks also offers pop-up menus of available macros, full screen editing of macros while running another program and a DOS window. Text screens - useful in defining customized help - are easy to create. The original screen is automatically saved and restored on exiting the text screen. Macros can send control codes to the printer. In the course of running a macro, a pause can be defined in which the user enters data or gives commands directly to the application. Macros are saved as ordinary DOS text files that can be altered by any text editor. Keyworks 3.0 replaces 2.0 as Alpha Software's entry level product. 3.0 highlights include: abbreviation expansion with quick bypass, a quick macro recording key, longer macro descriptions and comments and improved EGA and EMS support. Keyworks advanced version builds on the features in 3.0 by adding a powerful programming language allowing macros to read the screen and branch to other macros.

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**PRODUCT:** Loc-Dots
VENDOR: ARTS Computer Products Inc.
145 Tremont St. - Suite 407
Boston, MA 02111
(617) 482-8248

**PRODUCT DESCRIPTION:** Loc-Dots are clear, adhesive-backed raised dots which affix to the keyboard to identify certain keys, e.g., the "home row" position, the shift or return keys. They are especially beneficial to those who are not able to see the keyboard.

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**PRODUCT:** Locator*Dots
VENDOR: Prodigy Products Company
Attn: Loc-Dots
14152 Superior Ave. - Suite 4
Cleveland Heights, OH 44118
(216) 932-1413

**PRODUCT DESCRIPTION:** Adhesive-back raised dots that provide a reference point. They can be used on the "F" and "J" keys of typewriters and computers to help identify the home row. Also may be used on knobs, buttons, bottle caps, etc., to help provide identification.

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**PRODUCT: Magic Fingers**
VENDOR: Words Plus
P.O. Box 1229
Lancaster, CA 93534
(805) 949-8331

**PRODUCT DESCRIPTION:** Magic Fingers is an abbreviation expansion software program that increases keyboard speed and accuracy and eliminates the need to type often-used words and phrases. Abbreviation expansion allows the user to define up to 500 abbreviations per disk or directory. When the abbreviation is typed, Magic Fingers automatically replaces it with the expanded form of the word or phrase. For example, "tyfyi" can indicate "thank you for your interest." Abbreviations may be up to 8 characters long and can include letters, numbers and some symbols. This utility can be used in word processing, programming languages, forms entry, databases and other software in which the same terms are often typed repeatedly. Additional features include fast cursor for setting the keyboard repeat rate faster or slower, extended keyboard buffer for typing ahead up to 300 characters, audible key click if desired, screen saver which blanks the screen after 1 - 9 minutes of no keyboard activity, privacy pop-up screen, system date and time and password lockout.

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**PRODUCT: Moisture Guard**
VENDOR: Words Plus
P.O. Box 1229
Lancaster, CA 93534
(805) 949-8331

**PRODUCT DESCRIPTION:** Moisture Guard is a clear plastic cover for the keys of a computer. The cover allows keys to be pressed, but prevents liquids, dust and dirt from getting on or between the keys.

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**PRODUCT: Mouthsticks**
VENDOR: Fred Sammons Inc.
Box 32
Brookfield, IL 60513-0032
(800) 323-7305

**PRODUCT DESCRIPTION:** Four models all have a V-shaped mouthpiece that allows tongue movement. The Wand Mouthstick has a rubber tip that may be used for typing or page turning. Clamp-On Mouthstick holds a pencil, pen or brush. Auto Pencil Mouthstick allows the user to adjust pencil lead without hands. The Vertical Pincher Mouthstick has a tongue-controlled pincher at the end which can be used to insert paper into a typewriter.

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**PRODUCT:** One Finger
VENDOR: Trace Center
S-151 Waisman Center
1500 Highland Avenue
Madison, WI 53705
(608) 262-6966

**PRODUCT DESCRIPTION:** One Finger is designed to allow the one finger-, headstick- or mouthstick-user to use standard software for the IBM PC, PC/XT and AT. The program remains resident in the computer once invoked. Although each model handles the keyboard a bit differently, the program is able to determine which is being used. The program allows for one finger use of the Shift, Control and Alt keys. Depressing and releasing one of these keys once makes it active for the next key. Depressing it twice locks that key until it is unlocked by depressing it again. One Finger also allows: manual turning on and off of the program, audible feedback on the status of the shift keys and when the program is manually turned on or off, user selectable delay time on the automatic repeat of the keys from 0.5 to 60 seconds and automatic turning off of the program.

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**PRODUCT:** One Finger Keyboard
VENDOR: Independence Microsystems
1612 Walnut St. # 2N
Berkeley, CA 94709
(415) 845-4424

**PRODUCT DESCRIPTION:** One Finger Keyboard is a keyboard whose CTRL, ALT and Shift keys stay "down" electronically until the user presses the release key. Any number of keys may be pressed before the release key is pressed. A red light on the keyboard front panel comes on indicating when the CTRL, ALT or Shift keys are down. The keyboard works on all IBM XTs, ATs and the PS/2. No programming of keys is necessary, and it works with all software.

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**PRODUCT:** One Handed Typing
VENDOR: Mr. Matthew Jones
P.O. Box 82729
Fairbanks, AK 99708

**PRODUCT DESCRIPTION:** One Handed Typing is a program originally developed to teach a teenager with cerebral palsy to type with one hand. It is easy to use and appropriate for students from second grade through adults. It is available for MS-DOS computers. Single copy or a copy license allows the user to make multiple copies for use throughout a school district, are available.

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**PRODUCT:** One Handed Typing Tutorial
VENDOR: Innovative Computer Software
1388 Springwater Drive
Fairbanks, AK 99712

**PRODUCT DESCRIPTION:** One Handed Typing Tutorial is a program developed for the Fairbanks North Star Borough S.D. for teaching a 16-year-old student with cerebral palsy to type. The program consists of textual descriptions of how to use each key on the keyboard and then follows up with practice sessions. With assistance, the program has been successfully used with students as low as the second grade and is appropriate for use through adult age levels.

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**PRODUCT: OPTIMOUSE**
VENDOR: ISCAN Inc.
125 Cambridge Park Dr.
P.O. Box 2076
Cambridge, MA 02238
(617) 868-5353

**PRODUCT DESCRIPTION:** OPTIMOUSE is a remote cursor-control system allowing operators to control computer functions by pointing at the computer screen. It consists of a small two-dimensional video sensor, a lightweight hand-held pointer and the OPTIMOUSE electronics package interfacing to a computer in much the same way as a conventional light pen or digitizer tablet. The pointer contains a push button, allowing menu selection or other forms of data entry. It has been designed for use in environments requiring intensive or tedious data entry or wherever it is inconvenient to use a mouse, digitizing tablet or light pen. Applications include CAD/CAM data entry and control systems for the disabled.

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**PRODUCT: PC Serial AID**
VENDOR: Don Johnston Developmental Equipment Inc.
P.O. Box 639
1000 N. Rand Rd. - Bldg. 115
Wauconda, IL 60084
(312) 526-2682

**PRODUCT DESCRIPTION:** PC Serial AID allows alternative methods of input to be used with the IBM PC and PS/2. The methods of input are scanning, single and dual switch Morse code, assisted keyboard, alternative keyboard input (maximum size 8 x 16 keys) and multiple switch input. PC Serial AID provides customized scanning arrays, online help screens and allows redefinition of Morse code and redefinition of keys on the standard keyboard, including adaptations for one-finger operation. PC Serial AID plugs into the serial port and is compatible with most software. A similar device for parallel ports is the PC AID.

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**PRODUCT: PC-Pedal**
VENDOR: Brown & Co. Inc.
P.O. Box 2443
So. Hamilton, MA 01982
(508) 468-7464

**PRODUCT DESCRIPTION:** PC-Pedal is a single foot-pedal switch that acts as any of several keys to permit one-hand computing. Two versions are available: Standard - to control the SHIFT, ALT or CONTROL keys; Enhanced - to control any desired key. The Standard version may redefine the space bar as a backspace-delete key so the user does not need to move from the home position to perform this function. To choose which key the pedal emulates, the user presses the pedal with the desired special key. When the pedal is subsequently pressed, it acts as the defined key until redefined. Any single switch may be substituted for the pedal, and it may be mounted anywhere. All setup software is included; PC-Pedal plugs into the standard parallel port of the computer. A printer may be plugged into the PC-Pedal plug, and the two will not interfere with each other.

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**PRODUCT: Peck**
VENDOR: Productivity Software International
1220 Broadway
New York, NY 10001
(212) 967-8666

**PRODUCT DESCRIPTION:** Peck allows the user to enter such common combined-keystroke commands as Ctrl-Alt-Del one key at a time. It enables users who cannot depress multiple keys simultaneously to operate programs that sometimes require those combination keystrokes.

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**PRODUCT: Primal Screen**
VENDOR: Genest Technologies Inc.
A Pursuit Subsidiary
1331 East Edinger Avenue
Santa Ana, CA 92705
(800) 826-9641 (714) 547-0880

**PRODUCT DESCRIPTION:** Primal Screen is a macro system to substitute a simple keyboard template for the complicated commands of many major software programs. It supports most word processor and spreadsheet programs.

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**PRODUCT: Productivity Plus (PRD+)**
VENDOR: Productivity Software International
1220 Broadway
New York, NY 10001
(212) 967-8666

**PRODUCT DESCRIPTION:** Productivity Plus is a memory-resident shorthand program that works with word processing and other programs to increase productivity. The user defines abbreviations (called short forms or macros) for frequently used words and phrases, names and addresses, boilerplate text or programming language statements. As the user types, PRD+ replaces the abbreviations with the full text. In addition to user-defined lists, the program has 20 lists of abbreviations for frequently used or misspelled words, the 50 states, 30 major cities and common business phrases. Also included are lists for the legal and medical professions, Lotus 1-2-3 and dBASE III. There are about twenty versions: for example, the Legal Edition includes 2,600 legal terms. Other professional editions include word lists for such vertical markets as branches of the federal government, Wall Street and construction.

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**PRODUCT: SafeSkin Keyboard Protector**
VENDOR: Merritt Computer Products
2925 LBJ Freeway - Suite 180
Dallas, TX 75234
(214) 339-0753

**PRODUCT DESCRIPTION:** SafeSkin Keyboard Protectors prevent damage to the keyboard resulting from liquid spills, foreign matter, etc. SafeSkin is molded to fit the exact contours of the keyboard and is virtually transparent, making keytops and any side markings clearly visible. The SafeSkin remains in place during keyboard use. SafeSkin is currently available for a wide variety of PCs and workstations, including the IBM PC XT and AT, the IBM 3270 and 3180, and the IBM 3278 and 3101. Custom covers are also available.

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**PRODUCT: Smartkey**
VENDOR: Software Research Technologies
2130 South Vermont Avenue
Los Angeles, CA 90007

**PRODUCT DESCRIPTION:** SmartKey is a program that allows the user to define macros: strings of characters that are triggered by typing a single character. Macros can be used to reduce the amount of typing an individual has to do to create a text, enter commands, etc. Up to 60,000 characters can be generated with a single keystroke, and multiple keystrokes can also be used as triggers (for instance, "SY" for "Sincerely Yours"). SmartKey has various features, including PCKey, a feature that allows the user to change the layout of the keyboard (which keys correspond to which characters) and allows the SHIFT and CONTROL keys to toggle on and off.

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**PRODUCT: STICKEY**
VENDOR: Center for Computer Assistance to the Disabled (C-CAD)
2501 Avenue J - Suite 100
Arlington, TX 76006-6191

**PRODUCT DESCRIPTION:** STICKEY is a program which addresses the problem of hitting multiple keys; the program turns these keys into locking keys allowing multiple-key functions to be performed sequentially - for example, the CTRL, ALT and DEL keys.

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**PRODUCT: SuperKey**
VENDOR: Borland International
1800 Green Hills Rd.
Scotts Valley, CA 95066
(408) 438-8400  408/438-0389FAX

**PRODUCT DESCRIPTION:** SuperKey, a keyboard enhancement program for the IBM PC and PS/2, allows the user to store several frequently-used commands or long phrases and retrieve them with two keystrokes. SuperKey also allows the user to cut and paste text between applications programs and create single-page help screens for each set of macros created. The user may include fixed or variable-length pauses in macros. SuperKey will also turn off the screen if the keyboard is not touched for a user-specified time.

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**PRODUCT: Touchdown Keytop/Keyfront Kits**
VENDOR: Hooleon Corporation
Page Springs Road
P. O. Box 201
Cornville, AZ 86325
(602) 634-7515  602/634-4620FAX

**PRODUCT DESCRIPTION:** These kits enable a user to modify or enlarge the alpha and numeric characters on the keys of a computer or typewriter. All keytops are cut to fit exactly and are imprinted on the underside to prevent wear. A high-tack adhesive keeps the label in place indefinitely, while allowing their removal without damage to the keyboard. Custom keytop kits can be made to order or the following are available: Home row indicators, reconfiguration kits, emulation kits, word processing kits (for applications such as DisplayWrite, WordPerfect), Dvorak conversion kits, accounting/spreadsheet kits, foreign language kits and more.

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## Alternate Input

The keyboard is the primary means of input to an IBM PC for most people. For a disabled person, an alternate input method may be needed in order to access the computer.

One option is a keyboard which is a different size from the standard keyboard. Generally, these alternate keyboards have a programmable membrane surface that allows the user to define the key assignments and the size of the key.

Other alternate input devices allow an individual to indicate a desired letter or position on a matrix or grid by pointing with a light pointer or touching the grid. Devices with scanning arrays allow an individual to make a selection when the desired letter, number or word is reached. Common forms for scanning arrays are menus on a computer screen, grids of squares with lights which light sequentially and dial faces (like clocks) with pointers which revolve to point to symbols. When using a scanning array, the user activates a switch to move through the choices to make a selection.

In order to connect some alternate input devices to an IBM PC, a keyboard emulating interface may be required to allow the device and the computer to communicate. A keyboard emulating interface translates the signals from the alternate input device into signals resembling those from a standard keyboard.

An additional alternate input system is Morse Code entry using single or dual switches. Keyboard emulators accommodating Morse Code input and training programs are available.

**PRODUCT: ABLE-2 Product Family**
VENDOR: Automated Business & Services Inc.
6715 Kenilworth Ave.
Riverdale, MD 20737-9960
(301) 454-8200

**PRODUCT DESCRIPTION:** The ABLE-2 product family provides a wide spectrum of support to computer users with special needs. ABLE-2 is a systematic program in four parts: needs assessment, workstation family, focused training, life cycle support. Needs assessment focuses on vision-impaired/blind, hearing-impaired/deaf and neuromuscular-impairment or para/quadriplegic. Computer users with visual impairment are provided with optical character readers, voice synthesis, screen readers, tactile output displays and Braille output devices. The workstation family may be configured with voice input module, mouse, foot pedal, joystick and headpointer.

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**PRODUCT: ACCESS-ABILITY**
VENDOR: Dayspring Associates Inc.
2111 Foley Rd.
Havre de Grave, MD 21078
(301) 939-5900

**PRODUCT DESCRIPTION:** ACCESS-ABILITY is a software product that matches the needs and capabilities of persons with disabilities with adaptive aids, devices, equipment and job modification strategies. It contains information on hundreds of devices designed to overcome functional limitations. It provides a bridge to the workplace. It is available for the IBM PC.

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**PRODUCT: ACS Medicom Computer System**
VENDOR: ACS Telecom
25825 Eshelman Ave.
Lomita, CA 90717
(213) 325-3055

**PRODUCT DESCRIPTION:** ACS Medicom Computer System is a complete system for communication, environmental control and computer access based on two IBM PCs. The PCs are connected as a parallel system and allow access to all IBM PC software. Two input systems are provided: voice and switch/body movement. The voice input system allows the user to create vocabularies which the computer will recognize and accept. The switch/body movement output system allows the user to enter data with a single switch, multiple switches or a joystick. A voice output option reads the screen via a speech synthesizer. With the ACS Medicom Computer System, the user may run standard software, control various appliances with BSR X-10 control modules, dial and talk on the telephone or communicate via computer networks. The system may be used for wheelchair and robotics control. Expansion options are available. Cost varies depending on features. ACS conducts research in rehabilitation technology.

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**PRODUCT: AID+ME**
VENDOR: ComputAbility Corporation
101 Route 46 East
Pine Brook, NJ 07058
(800) 345-4076 (201) 882-0171

**PRODUCT DESCRIPTION:** AID+ME is an access interface that helps the user to select a variety of entry methods/devices such as a membrane keyboard, switch, touch window, mouse or joystick. It is supported for the PC and PS/2 family of computers. Features include scanning setup, key redefinition, mouse emulation, voice output with on-board synthesizer. It enables the user to run a variety of applications including text programs, educational software and CAD applications.

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**PRODUCT: ALTKEY**
VENDOR: Department of Physical Medicine & Rehabilitation
University of Michigan Medical Center
University Hospital - 1C335
Ann Arbor, MI 48109
(313) 936-7170

**PRODUCT DESCRIPTION:** ALTKEY is designed for a user who must control a PC using a single switch. It gives the single switch user direct control over virtually all commercially available software for the IBM PC. Regular keyboard function is unaffected. ALTKEY is loaded automatically when the computer is powered up. Any of the shift keys on the keyboard (Alt, Ctrl, Shift) may be brought out to an external switch with two solder connections. Different scan trees can be loaded from floppy disk files. This is a memory-resident program which implements a programmable n-dimensional keyboard scanner. It gives the user access to all the keys and key combinations on a standard IBM PC keyboard. The scan tree may be arbitrarily complex and may be freely edited by the user.

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**PRODUCT: Bloorview Miniature Keyboard**
VENDOR: Bloorview Childrens Hospital
Resource Centre
25 Buchan Court
Willowdale, ON M2J4S9
Canada
(416) 494-2222

**PRODUCT DESCRIPTION:** The Bloorview Miniature Keyboard is a replacement keyboard which allows someone with limited strength or limited range of motion to access an IBM PC or PC XT. It uses a Sharp 1360 pocket computer which is available through Bloorview or may be purchased from an electronics distributor. The feature includes light activation force (less than 30 grams), local screen display of each key press, a small target area, tactile and auditory feedback and long battery life.

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**PRODUCT: Canon Communicator M**
VENDOR: Canon U.S.A. Inc.
One Canon Plaza
Lake Success, NY 11042-9979
(516) 488-6700

**PRODUCT DESCRIPTION:** The Canon Communicator M is a portable communication aid that offers 190 keyboard functions and printed tape output. The A, B, C, D and E keys may be used to store words or phrases of up to 19 characters each. Messages or phrases stored may be changed at any time by the user. The Canon Communicator M may be used as an alternate input to a computer with a serial interface. Output from the Canon Communicator M is to a thermal dot printer. Input is made via direct selection. Keyguards, wheelchair mounting, raincover, arm belts and other accessories are available for the Canon Communicator M.

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**PRODUCT: CINTEX**
VENDOR: NanoPac
6919 South 76th East Avenue
Tulsa, OK 74133
(918) 252-2959

**PRODUCT DESCRIPTION:** CINTEX is a software product allowing computer input by an eyebrow switch, a sip-n-puff switch, joystick or other contact switches. It offers functions for word processing and word prediction, printing, appliance and environmental control, telephone support, games, music composition and calculator use. An optional speech output and voice input function can recognize repeated sounds. The word processor contains anticipatory arrays providing word prediction, reducing the time to form words and sentences. Its environmental controller operates up to 256 household devices. Telephone support includes automatic dialing, switch to speaker phone, touch or pulse dialing and easy access to services requiring touch-tone input. The built-in full-function calculator includes registors, trigonometric and financial functions. The word processor accepts and stores musical notes allowing the user to compose music. The system provides musical playback without additional hardware.

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**PRODUCT: Computer Entry Terminal (CET)**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** The Computer Entry Terminal (CET) is an alternate computer keyboard operated by direct selection with an optical pointer or by scanning with single, dual or multiple switches. Scanning can be automatic, row-and-column or directed. Output from the Computer Entry Terminal is in the form of ASCII; a keyboard emulating interface (extra) is required for the terminal to act as a keyboard. Approximately 250 characters may be stored in the terminal's memory before being sent to the computer. The CET comes with two overlays - direct selection and scanning plus a battery charger/power supply. Prentke Romich offers a keyboard emulating interface for the IBM PC. An optical pointer or switches are also required for operation.

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**PRODUCT: Dadacom**
VENDOR: Designing Aids for Disabled Adults
344 Bloor St. W - Suite 403
Toronto
Ontario, Canada, M5S-3A7
Canada
(416) 975-9206

**PRODUCT DESCRIPTION:** Dadacom provides row-column scanning of a matrix on a screen with speech output to a speech synthesizer and/or printer. It works with PC AID, PC Serial AID or a keyboard space bar. It has customizable phraseboard matrices with up to 128 phrases in each of four overlays.

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**PRODUCT: DataGlove Model 2**
VENDOR: VPL Research Inc.
656 Blair Island Rd. - Suite 304
Redwood City, CA 94063
(415) 361-1710

**PRODUCT DESCRIPTION:** VPL's DataGlove is a patented computer input device which converts hand gestures and positions into computer-readable form. It consists of the DataGlove and a desktop control unit. Sensors mounted on a lightweight lycra glove monitor flexion and extension of the fingers and the position and orientation of the hand. The microprocessor-based control unit acquires data from the DataGlove and transmits it to the host. DataGlove opens up new ways of interacting with computers in CAD/CAM applications, robotics and telemanipulation, simulation and animation.

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**PRODUCT: DataSweep 1**
VENDOR: Soricon Corporation
4725 Walnut St.
Boulder, CO 80301
(800) 541-7226 (303) 440-2800

**PRODUCT DESCRIPTION:** DataSweep 1 allows users to selectively enter data into an IBM PC, XT or AT. As the user passes Datasweep 1 across lines of text, previously typed or computer-printed information enters a program as if it had been typed in with a keyboard. DataSweep 1 reads most common office fonts, OCRA, OCRB, some typeset fonts and optionally reads popular bar code symbologies.

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**PRODUCT: Dreamer**
VENDOR: T.S. Micro Tech Inc.
12565 Crenshaw Blvd.
Hawthorne, CA 90250
(213) 644-0859 213/644-0567FAX

**PRODUCT DESCRIPTION:** Dreamer is an intelligent, add-on function keyboard that provides single-keystroke access to multiple-keystroke functions. In addition to the special toggle keys for CTRL, ALT, SHIFT which turn the key ON or OFF, there is a numeric keypad and 30 other keys that are programmable or can be customized. The Dreamer is 7" x 10" and is used with the existing PC keyboard. There is no software involved, and the training is minimal. There are variations of the Dreamer. The Dreamer and the PC keyboard are daisy-chained. Programmable models in 50-key configurations are available.

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**PRODUCT: End-O-Line-Lite**
VENDOR: Typewriting Institute for the Handicapped
3120 W. Augusta Avenue
Phoenix, AZ 85021
(602) 939-5344

**PRODUCT DESCRIPTION:** This product was designed for the hearing-impaired typist using a typewriter who finds it difficult to hear the bell indicating the end of the typing line. As the end of the line approaches, a light comes on at the same time as the typewriter bell and stays activated for 6 seconds. End-O-Line-Lite automatically adjusts to the right-hand margin setting.

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**PRODUCT: Evaluation Kit**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** This set of adaptive devices allows teachers, physical therapists and other rehabilitation specialists to work with individuals having severe physical handicaps to determine appropriate interfaces with IBM PCs. Pressure plates and switches, an eyebrow switch, fist/foot keyboards, a breath switch, a membrane keyboard, a heavy-duty joy stick and table-top or wheelchair mountings are available. Cost varies with components selected.

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**PRODUCT: Eyegaze Computer System**
VENDOR: LC Technologies Inc.
4415 Glenn Rose St.
Fairfax, VA 22032
(703) 425-7509

**PRODUCT DESCRIPTION:** The Eyegaze Computer System is an eye-operated computer system that enables those with profound physical disabilities to communicate more effectively. The technology uses movement of the human eye to manipulate a personal computer system. The Eyegaze System becomes an eye-operated command and communication center through which users who have lost motor function can control their living and working environments more efficiently.

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**PRODUCT: EyeTyper Model 300**
VENDOR: Sentient Systems Technology Inc.
5001 Baum Blvd.
Pittsburgh, PA 15213
(412) 682-0144

**PRODUCT DESCRIPTION:** EyeTyper Model 300 is an electronic keyboard and portable communication aid controlled by eye gaze. The device is placed 11" in front of the user's eyes. The user then selects letters, numbers or commands by gazing at the appropriate positions. Longer units may be typed using two-gaze combinations. Vocabulary may be programmed by the user with the eyes, from an external keyboard or by loading from disk. Text is displayed on a 40-character LCD display and spoken by a built-in speech synthesizer. Overlays may be purchased or custom-made. Options include a printer, an external display and an external keyboard for programming vocabulary. A built-in keyboard emulating interface is provided, permitting the EyeTyper to be used as an alternate computer keyboard or to run an environmental control system.

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**PRODUCT: Freedom Writer**
VENDOR: World Communications
501 Glenmoor Circle
Milpitas, CA 95035
(408) 262-2870

**PRODUCT DESCRIPTION:** Freedom Writer is a word processor specifically designed for individuals with disabilities. It can be operated entirely with an "on screen keyboard" and pointing devices such as a mouse, light pen or joystick or a single key from the computer keyboard. All steps involved from writing, editing and printing are handled with minimum effort. The user has instant access to the most commonly used words. In addition to 12,000 fixed words, the user can store up to 5000 words and up to 200 phrases. The Freedom Writer may be used to write computer programs as well as documents. It has all the standard word processing features such as block move, block copy, underlining, heading and footing. Memory requirements are 192 K. The vendor may be contacted for a free demonstration disk.

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**PRODUCT: FreeWheel Head Pointing System**
VENDOR: Pointer Systems Inc.
One Mill Street
Burlington, VT 05401
(800) 537-1562 (802) 658-3260

**PRODUCT DESCRIPTION:** The FreeWheel Head Pointing System provides computer access for people whose disabilities prevent them from using their hands on a regular keyboard. An optical pointer provides control of a special cursor, plus menu selection capability. The keyboard appears as a visual image, placed over the screen display. The system allows a person to move a cursor around a monitor screen by using head motion. The reflector may be placed where movement is best with the camera positioned accordingly. The optical camera has a standard input jack which makes it compatible with any stock input switch. The visual keyboard can be "dragged" to any position on the monitor and can disappear on command. A "common word" feature completes words to speed up data entry. FreeWheel can be used for environmental control purposes (lights and appliances) with the X-10 Powerhouse. Applications include word processing, spreadsheets, data communications, desktop publishing, CAD/CAM and programming.

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**PRODUCT: Fulcrum Trackball Plus**
VENDOR: Fulcrum Computer Products
459 Allan Court
Healdsburg, CA 95448
(707) 433-0202

**PRODUCT DESCRIPTION:** This is a cursor pointing device, designed for interfacing with an IBM computer and many CAD/CAE environments via a standard RS232 port. Pointing and cursor control can be achieved by the use of the fingertips to position the ball. It requires 4.62" by 5.37" of desk space. Six user switches are provided for additional flexibility with menu driven software such as CAD/CAM applications.

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**PRODUCT: Key Tronic Touch Pad Keyboard**
VENDOR: KeyTronic
P.O. Box 14687
Spokane, WA 99214
(800) 262-6006

**PRODUCT DESCRIPTION:** This keyboard integrates a regular full-function keyboard, a numeric keypad with a cursor key capability and a touch pad into one unit. Touch pad allows for four modes of operation: cursor key, mouse, graphic and a function key. In the cursor key mode, motion of the stylus or finger is converted into cursor key codes. The mouse mode converts the same motion into movement or position change messages. In the graphic mode, the point of touch is digitized and transmitted to the host, while the function key mode divides the surface of the touch pad into separate function key areas. A string of characters selected by the user is associated with each function key. Touching the function area sends the words or phrase directly to the computer as if keystroked.

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**PRODUCT: Keyboard Interfaces**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** Keyboard Interfaces are adaptive devices that accept ASCII characters from some alternate input devices, such as an electronic communication aid, and translate them into signals that a computer interprets as keystrokes from a standard keyboard. The standard keyboard can remain active while the interface is connected. For information on the compatibility of a particular input device, contact Prentke Romich.

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**PRODUCT: Keyport 300 and 60**
VENDOR: Polytel Computer Products Corporation
1250 Oakmead Parkway - Suite 310
Sunnyvale, CA 94086
(800) 245-6655 (408) 730-1347

**PRODUCT DESCRIPTION:** The Keyport 300 is a touchpad input device for the PC that provides 300 programmable keys arranged in 20 rows of 15 columns. Each key is 1/2 inch square. It supplements or replaces the standard keyboard. Interchangeable overlays identify the function of each programmed key. By recognizing the illustrated function of a Keyport key, a user can have instant, one-touch access to a program's command sequence or series of keystrokes without knowing or recalling the keystroke sequence or navigating through menus. Reducing keystrokes allows the user to work faster. It may be used as an enlarged keyboard for individuals with visual impairments. The Keyports may be used for word processing, spreadsheets, database applications, international language translations, desktop publishing and as a computer-aided design tool. The Keyport 60 is the same as the Keyport 300 except it is arranged in three rows of 20 keys and fits along the top of the standard keyboard. Either keyport may be used with the PS/2 25 and 30 models as well as the PC family.

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**PRODUCT: KeyUp**
VENDOR: Ability Systems Corporation
1422 Arnold Ave.
Roslyn, PA 19001
(215) 657-4338

**PRODUCT DESCRIPTION:** KeyUp is a "device driver" keyboard software program for physically impaired persons. It eliminates unwanted repeats by generating a character only when one key is released; it allows single finger shifts and turns repeats on and off; it runs transparent to DOS and other programs, occupying less than 3K of system memory. A fully functional demo is available.

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**PRODUCT: Koala Pad**
VENDOR: PTI-Koala
296 Mount Hermon Road
Scotts Valley, CA 95066
(408) 438-0946

**PRODUCT DESCRIPTION:** A device appropriate for art, academic work or recreational purposes. It has been used in recent pilot projects with students of all ages who have limited dexterity and as an introductory device for students with short attention spans or who have difficulty relating keyboard input to display output. There is a 4" x 4" active drawing surface. Koala Pad uses a PC Design program diskette (included) and requires a game control adapter card. It is best used with a color monitor and is available for both an IBM PC and PCjr. Additional Koala Pad software includes Micro Illustrator (electronic video sketchpad), Illustrator (draws 3-dimensional visuals), Dancing Bear (motion & sound commands) and Spider Eater (musical note recognition, meter & composition).

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**PRODUCT: LIAISON**
VENDOR: DU-IT Control Systems Group Inc.
8765 Township Road #513
Shreve, OH 44676
(216) 567-2906

**PRODUCT DESCRIPTION:** LIAISON is a spinal-cord-injured independent computer work-station for high-level spinal-cord-injured quadriplegic children and adults. Using a DU-IT wheelchair system and a LIAISON, the user can, without assistance, approach the computer and via infrared remote turn it on; run any program and enter data; graphically position as with a mouse, tablet or joystick; concurrently use the telephone; and operate other peripheral accessories. It also operates with Environment Control Functions and may be operated as a stand-alone accessory.

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**PRODUCT: Light Talker**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** Light Talker is an electronic communication aid with synthesized speech output and optional printer or keyboard emulating output. Selection can be direct with an optical head pointer or by scanning with switches (extra). Automatic scanning (single switch), row-and-column scanning (dual switch), directed scanning (multiple switches) and Morse Code (two or three switches) are all possible. The Light Talker can be used with either Express or Minspeak firmware. Express allows vocabulary to be stored using the following techniques: levels (128 locations on each of 99 levels), abbreviation expansion and number encoding. Minspeak allows vocabulary to be stored by abbreviation expansion or semantic compaction. Light Talker can also operate an environmental control system. Options for Light Talker include an external printer, a keyboard emulating interface that works with the IBM PC and kits for converting the keyboard to 8 or 32 positions, rather than the usual 128.

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**PRODUCT: Lite Touch**
VENDOR: Lovejoy Electronics
35 Garrison Street
Portland, ME 04102
(207) 774-9421

**PRODUCT DESCRIPTION:** Lite Touch is a light activated joystick emulator. Four sensors attach to easch side of the computer screen. Up to four more sensors may be placed at the corners. The user wears an optical pointer attached to the head or some other part of the body. The pointer is directed at the first four sensors in order to emulate the four directions of movement of a joystick. The additional sensors act as the "fire" button. The sensors plug into an external receiving unit, which plugs into the computer's joystick (or game) input port. Lite Touch may be used to run any program, game, etc. that uses a switch-type joystick for input. An option for emulating proportional joysticks is in development. Lenses of different focal lengths are available for the printer. A word processing program that uses joystick input, Joywriter from Green Software, is available. The four sensors have mini-plugs attached; two may be used as dual switch input with PC AID available from DADA.

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**PRODUCT: Long Range Optical Pointer**
VENDOR: Words Plus
P.O. Box 1229
Lancaster, CA 93534
(805) 949-8331

**PRODUCT DESCRIPTION:** Long Range Optical Pointer is a hardware and software package that allows keyboard input using only head movement. The program creates a graphic image of the computer keyboard on a second monitor. The user wears a headset with an optical sensor device built-in. By directing the sensor toward the screen, the user moves a dot around the keyboard image. Holding the dot on a particular "key" for a certain (adjustable) period of time sends that character to the computer just as if it were standard keyboard input. Activating a SHIFT, ALT or CONTROL key once holds that key for the next character only; activating twice in a row latches that key on until it is released by being activated again. The optical sensor may also be attached to another part of the body if desired.

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**PRODUCT: Magic Wand Keyboard**
VENDOR: In Touch Systems
11 Westview Road
Spring Valley, NY 10977
(914) 354-7431

**PRODUCT DESCRIPTION:** This is a miniature computer keyboard designed for mouthstick users and one-handed typists. It works with the slightest touch of a wand. It is a full-function keyboard, with the complete set of IBM keys and a standard IBM keyboard layout. Twelve special keys have been added for easier word processing, including six programmable keys.

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**PRODUCT: Membrane Keyboard II**
VENDOR: ComputAbility Corporation
101 Route 46 East
Pine Brook, NJ 07058
(800) 345-4076 (201) 882-0171

**PRODUCT DESCRIPTION:** This 128-key mid-size keyboard is programmable and requires a maximum of 300 grams of operating force to activate the keys. AID+ME interface is needed. It measures 13.25" x 7.25".

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**PRODUCT: Mini Keyboard**
VENDOR: ComputAbility Corporation
101 Route 46 East
Pine Brook, NJ 07058
(800) 345-4076 (201) 882-0171

**PRODUCT DESCRIPTION:** This programmable miniature keyboard requires a small range of motion to access entire keyboard area - a force of only 100 grams is needed to activate the keys. This small board measures 7 " x 4 " x " and is compatible with all software programs through the correct interface card. AID+Me interface is recommended.

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**PRODUCT: Morse Code Drills**
VENDOR: Personally Developed Software
P.O. Box 3266
Wallingford, CT 06492
(800) 426-7279

**PRODUCT DESCRIPTION:** Morse Code Drills is a drill and practice program that teaches the dot and dash patterns for each letter of Morse Code. The program presents Morse Code patterns both visually and auditorally, with variable pitch and speed. Users can pause at any time in the program by pressing a designated key. The program operates on IBM computers and requires DOS 1.0 or higher.

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**PRODUCT: MorseK**
VENDOR: Kinetic Designs Inc.
14231 Anatevka Lane SE
Olalla, WA 98359
(206) 857-7924

**PRODUCT DESCRIPTION:** MorseK is a Morse code keyboard emulator program allowing all keyboard keys to be entered via Morse code using any input device connected to any I/O port including the standard keyboard. Some of the features included are: one, two and three-switch modes with user definable delays and switch assignments, user definable audible and visual indicators, a built-in code editor with automatic error detection, and a coding scheme using 11 codes for over 60 keys and functions.

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**PRODUCT: Mouse**
VENDOR: Mouse Systems
2600 San Thomas Expressway
Santa Clara, CA 95051
(408) 988-0211 (800) 523-5189

**PRODUCT DESCRIPTION:** A hand-held input device that moves the cursor on the PC screen, the Mouse moves on its pad placed on a flat surface. It can be used in place of a keyboard and serves as a pencil or paint brush with compatible graphics software such as PC Paint. It produces fine to broad lines, and the "brush" can take on 32 different shapes and sizes. Features include pop-up menus and single keystroke commands. There is ready-to-install software for packages like Lotus 1-2-3 and PFS: Write. A RS-232 serial port is required.

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**PRODUCT: Mouse-trak**
VENDOR: Itac Systems Inc.
3121 Benton Drive
Garland, TX 75042
(800) 533-4822 (214) 494-3073

**PRODUCT DESCRIPTION:** Mouse-trak is a trackball that emulates a mouse. A user's wrist rests on a cushioned pad while the fingers activate the two or three programmable buttons and rotate a 2-inch polished trackball. The trackball movement controls the cursor, and its movement sensitivity is adjustable. The input buttons functions are user-definable to support various software packages and different user preferences. Models range from Quadrature output, Serial, BUS and the PS/2 mouse port interface.

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**PRODUCT:** Multi-Access Package
VENDOR: Regenesis Development Corporation
4381 Gallant Ave.
North Vancouver, V7G 1L1
Canada
(604) 929-2414

**PRODUCT DESCRIPTION:** The Multi-Access Package, a complete access package for severely physically disabled individuals, includes the following products: ezMorse, ezScan and Keyboard Expander. Each of these products may be purchased individually. EzMorse is a specially designed Morse Code keyboard emulator that used basic military codes, with mnemonic codes for other keyboard keys. Features include instant help screen, single/double switch or joystick access and tutorial on disk, cable for serial or game port. EzScan involves a set of window layouts that allow the user to have complete control through single or dual switch operation. The Keyboard Expander allows for an expanded keyboard as an alternate access to the IBM PC. An adapter card is provided. All 128 keys are redefinable and the repeat rate and hold down rate are controlled by the user. Manuals are available on disk. All 3 adaptive devices work with most IBM application programs.

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**PRODUCT:** Neurolink
VENDOR: Cybernetics
918 Rothowood Road
Lynchburg, VA 24503
(804) 384-1476 (804) 384-7538

**PRODUCT DESCRIPTION:** Neurolink is an input/output access system for severely mobility-handicapped persons that translates very low neurological signals into a form the computer can interpret. The system's only requirement is that the user have voluntary control of some neuromuscular system, no matter how small. Neurolink for the IBM PC consists of a three electrode EMG, an infra-red transmitter and an infra-red receiver which connects to an information card in the computer. Neurolink simulates keyboard entry by inputting characters from a scanning array which appears on the monitor. A Morse Code program also provides a facility for faster inputting than using the character selection method.

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**PRODUCT:** OPTIMOUSE
VENDOR: ISCAN Inc.
125 Cambridge Park Dr.
P.O. Box 2076
Cambridge, MA 02238
(617) 868-5353

**PRODUCT DESCRIPTION:** OPTIMOUSE is a remote cursor-control system allowing operators to control computer functions by pointing at the computer screen. It consists of a small two-dimensional video sensor, a lightweight hand-held pointer and the OPTIMOUSE electronics package interfacing to a computer in much the same way as a conventional light pen or digitizer tablet. The pointer contains a push button, allowing menu selection or other forms of data entry. It has been designed for use in environments requiring intensive or tedious data entry or wherever it is inconvenient to use a mouse, digitizing tablet or light pen. Applications include CAD/CAM data entry and control systems for the disabled.

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**PRODUCT: PC AID**
VENDOR: Don Johnston Developmental Equipment Inc.
P.O. Box 639
1000 N. Rand Rd. - Bldg. 115
Wauconda, IL 60084
(312) 526-2682

**PRODUCT DESCRIPTION:** PC AID is a device that allows various alternative methods of input to be used with the IBM PC and PS/2. The techniques that can be used include scanning, single/dual switch Morse code and assisted keyboard operation. PC AID provides customized scanning arrays, online help screens and allows redefinition of Morse Code and redefinition of keys on the keyboard, including one-finger use of keyboard. PC AID plugs into the computer's parallel port; a similar aid for use with the serial port is the PC Serial AID. PC AID will run transparently with most software.

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**PRODUCT: PC King Keyboard**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** Separated and enlarged keys are slightly recessed allowing user to stabilize limb on keyboard without activating keys. Microswitch keys click when activated providing feedback to user. Keys require 200 gms force to operate. Keyboard automatically recognizes IBM PC, XT or AT and can be operated simultaneously with the standard keyboard.

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**PRODUCT: PC Mini Keyboard**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** The PC Mini Keyboard is a small size keyboard with closely spaced membrane keys. Very little force is required to activate keys (100gm). Keys can be activated with mouthstick, pointer, finger, etc. The keyboard plugs into the keyboard port of an IBM PC, XT or AT and does not need any special hardware or software to set up. The size is 7.5" x 4.5" x .5". The user may set key response time from 0 to 2 seconds.

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**PRODUCT: PC Morse Code**
VENDOR: Personally Developed Software
P.O. Box 3266
Wallingford, CT 06492
(800) 426-7279

**PRODUCT DESCRIPTION:** PC Morse Code is a training program specially designed to teach Morse code. The program breaks down the alphabet, numbers and special symbols into small groups. These groups can be learned interactively with the computer and practiced individually, at variable transmission speed from 5 to 60 words per minute. Online dictionary contains more than 6,000 words and Morse code translations. Morse code units and special symbols are presented auditorily as well as on the keyboard. The program requires DOS 2.0 or higher.

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**PRODUCT: PC Serial AID**
VENDOR: Don Johnston Developmental Equipment Inc.
P.O. Box 639
1000 N. Rand Rd. - Bldg. 115
Wauconda, IL 60084
(312) 526-2682

**PRODUCT DESCRIPTION:** PC Serial AID allows alternative methods of input to be used with the IBM PC and PS/2. The methods of input are scanning, single and dual switch Morse code, assisted keyboard, alternative keyboard input (maximum size 8 x 16 keys) and multiple switch input. PC Serial AID provides customized scanning arrays, online help screens and allows redefinition of Morse code and redefinition of keys on the standard keyboard, including adaptations for one-finger operation. PC Serial AID plugs into the serial port and is compatible with most software. A similar device for parallel ports is the PC AID.

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**PRODUCT: PowerPad**
VENDOR: Dunamis Inc.
3620 Highway 317
Suwanee, GA 30174
(404) 932-0485 (404) 932-0486

**PRODUCT DESCRIPTION:** PowerPad is a flexible alternate computer input consisting of a grid of 14,400 microswitches covered with a 12" x 12" plastic pad. Depending upon the program used, the surface of the PowerPad can be divided up many ways yielding different sized activation areas. Overlays may then be custom designed to indicate what each key on the PowerPad signifies in that program's configuration. PowerPad connects trough thte parallel or serial port. Many programs have been developed for the PowerPad for augmentative communication or for rehabilitation training and education. Authoring programs are included for creating one's own program for the PowerPad.

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**PRODUCT: Proportional Keystroke Scanner**
VENDOR: Ability Systems Corporation
1422 Arnold Ave.
Roslyn, PA 19001
(215) 657-4338

**PRODUCT DESCRIPTION:** This scanner is for persons with severe spinal cord injuries, but it may be modified to accomodate other disabilities. Alternate input device uses ordinary COM port on IBM PCs and PS/2s. Proportional scanning technique allows rapid key entry. Supports all standard key strokes including function and multiple depressions. Sip and Puff or optional joystick contorl.

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**PRODUCT: Puffin Morse Code Entry System**
VENDOR: Regenesis Development Corporation
4381 Gallant Ave.
North Vancouver, V7G 1L1
Canada
(604) 929-2414

**PRODUCT DESCRIPTION:** Puffin Morse Code Entry System is an easy set of Morse Code that allows the user to emulate all the IBM keys. A user adjustable input rate of 1 to 40 words per minute is possible. An online manual, pop-up help screen and auto reconfiguration are provided. The system requires an IBM PC with a minimum of 256K of memory, a game port and two switches. The program is available for the cost of the disk; a donation for handling and shipping is encouraged.

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**PRODUCT: RDS Speech and Learning Center System**
VENDOR: Royal Data Systems
Rt. 14 Box 230
Highway 64 West
Morganton, NC 28655
(704) 433-5909 (800) 843-9750

**PRODUCT DESCRIPTION:** The RDS Speech and Learning Center System uses a speech synthesis sytem, an alternate input device and a master software program to create a base platform system which can be customized for a variety of uses. An external hardware device produces human-like machine speech to verbalize both input and output of the system. A touch-sensitive keypad allows up to 300/600 separate user programmable keys to be defined by a simple keystroke for data input. Stock and custom adaptive applications are provided to configure the system for personal communication needs or for teaching literacy skills to children or adults. One model is available as a peripheral device ready to connect to an IBM computer and a second model is complete with its own computer system.

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**PRODUCT: SpeechAid**
VENDOR: Intex Micro Systems Corporation
P.O. Box 12310
Birmingham, MI 48012
(313) 540-7601

**PRODUCT DESCRIPTION:** SpeechAid is a portable communication aid that provides synthesized voice output of letters, phonemes, words or phrases typed on the keyboard. SpeechAid has virtually unlimited vocabulary, pronounces the 5,000 most common conversational words with nearly 100 percent accuracy and comes with 80 preprogrammed commonly-used phrases that can be recalled with combinations of two keystrokes. The user also stores custom messages of up to 2000 characters, each of which can be recalled with a single keystroke. SpeechAid has a 64-pitch inflection control and can speak musical tones in a five-octave range. SpeechAid comes with an RS-232C serial interface for output to a printer or a computer. Membrane keyboards with tactile feedback are available.

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**PRODUCT: STICKEY**
VENDOR: Center for Computer Assistance to the Disabled (C-CAD)
2501 Avenue J - Suite 100
Arlington, TX 76006-6191

**PRODUCT DESCRIPTION:** STICKEY is a program which addresses the problem of hitting multiple keys; the program turns these keys into locking keys allowing multiple-key functions to be performed sequentially - for example, the CTRL, ALT and DEL keys.

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**PRODUCT: Touch Pad**
VENDOR: Response Input Company
P.O. Box 14687
Spokane, WA 99214
(800) 262-6006

**PRODUCT DESCRIPTION:** Touch Pad is a keytronic keyboard. Programmable cursor mouse, graphic, barcode and Dvorak are optional.

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**PRODUCT: Touch System**
VENDOR: Carroll Touch Inc.
P.O. Box 1309
Round Rock, TX 78680
(512) 244-3500

**PRODUCT DESCRIPTION:** Touch System is an overlay system that provides IBM PS/2 Model 8513 color monitors with touch input capabilities. It is designed for menu-driven applications such as business graphics or for customized turn-key packages. The system uses analog resistive technology, which utilizes a metallic-coated glass base layer and a flexible metallic-coated top overlay sensor. Each unit includes a cable and controller.

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**PRODUCT: Touch Window**
VENDOR: Edmark Corporation
P.O. Box 3903
Bellevue, WA 98009
(800) 426-0856

**PRODUCT DESCRIPTION:** Touch Window is a transparent plastic screen that fits over a computer monitor. When Touch Window is used with the right software, touching the screen with finger or stylus generates input to the computer. Selection of commands, composition of graphics and other functions can be performed. Pressure activates only the pixel at the very center of the area touched. Touch Window can be removed from the monitor and used like a graphics tablet. Software includes programs for word processing, spread sheets, management information systems, recreation, education and writing customized programs. Software has also been written for Touch Window by other companies.

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**PRODUCT: Touchware PC TRANSLATOR**
VENDOR: Newex Inc.
100 Drakes Landing Rd. - Suite 260
Greenbrae, CA 94904
(415) 892-1573

**PRODUCT DESCRIPTION:** Touchware PC TRANSLATOR is a mini-console incorporating a touch-sensitive LCD screen. By touching choices on the screen, the user instantly sends information to the PC. Sub-menus provides thousands of additional pre-programmed choices for touch. Customizer software is available to facilitate creating menus.

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**PRODUCT: Trine System**
VENDOR: Adaptive Communication Systems
354 Hookstown Grade Rd.
Clinton, PA 15126
(412) 264-2288

**PRODUCT DESCRIPTION:** The ACS Trine System is a three-function communication aid, serving as a portable electronic notebook, a communication aid with printed or synthesized voice output and an alternate input to a general purpose computer. The function can be changed with a single keystroke. The system is based on the Epson HX-20 PC and is equipped with a standard keyboard, an 80-character LCD display, a built-in strip printer, an optional speech synthesizer and the Trine software and documentation. Text can be composed in six word spaces, each holding up to 55 20-character lines and retaining their memory when the power is off. Text can be reviewed on the display and can be spoken (optional), printed or stored on microcassette. Programs for abbreviation expansion (QuicKey) and single-finger operation are provided. The keyboard emulating interface complies with the industry standard for KEIs. The RealVoice is not available for the Trine System.

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**PRODUCT: TurboSelect**
VENDOR: Venture Technologies Inc.
304 - 134 Abbott Street
Vancouver, V6B2K4
Canada
(800) 663-8931 (604) 684-9803

**PRODUCT DESCRIPTION:** TurboSelect is a keyboard and mouse emulator for people with physical disabilities. TurboSelect replaces the standard input devices (keyboard and mouse) to provide access to a computer. Familiar input techniques including Morse Code, Scanning and Direct Select may be used simulaneously in any of the above techniques to optimize the abilities of the user.

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**PRODUCT: Unicorn Expanded Keyboard**
VENDOR: Unicorn Engineering Inc.
5221 Cnetral Ave. - Suite 205
Richmond, CA 94804
(415) 528-0670

**PRODUCT DESCRIPTION:** The Unicorn Expanded Keyboard is a user-friendly alternative keyboard with large keys. It operates virtually all software. With a speech synthesizer, each key can output a spoken message. It contains 128 user-definable keys, each 1.25 inch square. Individual keys can be grouped together to form larger squares. The touch-sensitive area of the keyboard measures ten inches by twenty inches. Customizing is accomplished by using interchangeable overlay sheets which slide beneath the clear plastic cover on the Unicorn. Blank overlays are provided which can be labeled using magic markers, pictures, stickers, etc. Interface required.

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**PRODUCT: Wireless Data Transmission System**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** Wireless Data Transmission System, a portable transmitter and stationary receiver, transmits ASCII output from a PC or communication aid to a stationary computer or environmental control system. The small portable transmitter connects to the portable input device (computer or communication aid) and transmits output via radio waves to a stationary transmitter connected to the computer or environmental control system. The transmitter unit receives power from the portable input device, and the receiver gets power from the host stationary device. Various portable input devices and various stationary computers or environmental controls work with the Wireless Data Transmission System.

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**PRODUCT: Zygo ScanWRITER**
VENDOR: ZYGO Industries
P.O. Box 1008
Portland, OR 97207-1008
(503) 684-6006

**PRODUCT DESCRIPTION:** Zygo ScanWRITER is a portable scanning communication and writing aid with a 20-character LCD display, a 20-column built-in printer and optional voice output. The user generates characters from a full keyboard scanning array. Scanning may be row-and-column (single switch) or directed (multiple switches). Up to 800 characters may be stored at 40 locations for quick messages. A 120-character temporary private storage area (for display without printing) is provided. Up to 4000 characters in total may be stored by the user at 156 locations. A text-to-speech synthesizer may be added for voice output. ScanWRITER can also be used as an alternate keyboard with the purchase of a special keyboard emulating interface. The speech adaptor can be purchased for $750.00.

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**PRODUCT: Zygo TETRAscan II**
VENDOR: ZYGO Industries
P.O. Box 1008
Portland, OR 97207-1008
(503) 684-6006

**PRODUCT DESCRIPTION:** The Zygo TETRAscan II is an alternate computer keyboard that uses scanning. Each selection area represents a key on a computer keyboard. The user makes selections by a patented row-and-column scanning method (single switch) or by directed scanning (multiple switches). Scanning speed and timing are adjustable. The 4K user-programmable memory allows for programming information into 156 locations so that selection of a single message area sends a combination of characters to the computer. Audible feedback is provided for each "key" activation. Cost depends on the type of interface desired. Connectors include a 7-pin DIN jack for multi-switch, a mini-phone plug for single switch or two 16-pin flat ribbon connectors for the computer. Complete standard keyboard key selections are available.

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## Switching Device

For most of us, the keyboard is the primary means of input to an IBM PC. For people with little or no use of their hands, the standard keyboard is not an effective means of accessing the computer. Switches, when used in conjunction with a hardware or software device providing input to the computer, allow a disabled individual to enter information into an IBM PC. Switches connect to devices such as alternate keyboards, environmental controls and electronic communication aids.

A wide variety of switches are available. In most cases, a switch is available or can be designed to be used in the area of the body or muscle group where the individual can produce an intentional movement or action. Examples of how switches may be activated include pushing small buttons or large plates, sipping and puffing on a tube, wrinkling the eyebrows, blinking an eye or making contact with a metal plate. The many types of switches available make it possible for a person with limited or uncontrolled movement to operate a computer.

**PRODUCT: 4-Plate Switch**
VENDOR: ZYGO Industries
P.O. Box 1008
Portland, OR 97207-1008
(503) 684-6006

**PRODUCT DESCRIPTION:** 4-Plate Switch is a set of four switches housed side by side. Each switch is activated by pressing down on its rectangular plastic plate. An audible click accompanies switch activation. The activation pressure is 8 ounces.

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**PRODUCT: 4-Pneumatic Switch**
VENDOR: ZYGO Industries
P.O. Box 1008
Portland, OR 97207-1008
(503) 684-6006

**PRODUCT DESCRIPTION:** 4-Pneumatic Switch is a switching unit that accepts input from one sip-and-puff tube. Different combinations of light and heavy sip and puff serve to activate each of four switches. Any desired tube may be used; one is available as well from the manufacturer (extra). Switch activation is silent. The activation pressure for this switch can be 0.1 or 0.2 psi.

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**PRODUCT: 4-Pushbutton Switch**
VENDOR: ZYGO Industries
P.O. Box 1008
Portland, OR 97207-1008
(503) 684-6006

**PRODUCT DESCRIPTION:** 4-Pushbutton Switch is a set of four snap-action button switches housed side-by-side, each in a 0.5" diameter recess. Pressing each button activates one switch. An audible click accompanies switch activation. The activation pressure is 4 ounces.

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**PRODUCT: 4-Switch Joystick**
VENDOR: ZYGO Industries
P.O. Box 1008
Portland, OR 97207-1008
(503) 684-6006

**PRODUCT DESCRIPTION:** 4-Switch Joystick is a joystick lever that may be moved in any of four directions. Moving it in a particular direction will activate one switch. This joystick is also available with an additional pushbutton switch. Activation pressure is 11 ounces.

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**PRODUCT: 5-Pushbutton Switch**
VENDOR: ZYGO Industries
P.O. Box 1008
Portland, OR 97207-1008
(503) 684-6006

**PRODUCT DESCRIPTION:** 5-Pushbutton Switch is a set of four snap-action button switches housed side-by-side, each in a 0.5" diameter recess, with an additional raised pushbutton on the same housing. All switches are activated by being pressed. An audible click accompanies switch activation. The activation pressure is 6 ounces.

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**PRODUCT: 5-Tread Switch Slot Control**
VENDOR: ZYGO Industries
P.O. Box 1008
Portland, OR 97207-1008
(503) 684-6006

**PRODUCT DESCRIPTION:** 5-Tread Switch Slot Control is a set of five tread Switches mounted in an arc array, with dividers between them. The user activates the switches by moving the arm (or other activator) into the appropriate slot and pressing down on the switch. Activation produces a click. The activation pressure needed for this switch is 5 ounces.

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**PRODUCT: ABLE-2 Product Family**
VENDOR: Automated Business & Services Inc.
6715 Kenilworth Ave.
Riverdale, MD 20737-9960
(301) 454-8200

**PRODUCT DESCRIPTION:** The ABLE-2 product family provides a wide spectrum of support to computer users with special needs. ABLE-2 is a systematic program in four parts: needs assessment, workstation family, focused training, life cycle support. Needs assessment focuses on vision-impaired/blind, hearing-impaired/deaf and neuromuscular-impairment or para/quadriplegic. Computer users with visual impairment are provided with optical character readers, voice synthesis, screen readers, tactile output displays and Braille output devices. The workstation family may be configured with voice input module, mouse, foot pedal, joystick and headpointer.

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**PRODUCT: ABLENET Switch 100**
VENDOR: ABLENET
1081 10th Ave. SE
Minneapolis, MN 55414
(612) 379-0956

**PRODUCT DESCRIPTION:** ABLENET Switch 100 is a momentary touch switch made of shatterproof plastic. Mounting holes are included. The switch 100 comes with a six foot cable and a mini-phone plug connector. An audible click is provided when switch is activated. Activation pressure: 20-30 grams.

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**PRODUCT: Air Cushion Switch**
VENDOR: ComputAbility Corporation
101 Route 46 East
Pine Brook, NJ 07058
(800) 345-4076 (201) 882-0171

**PRODUCT DESCRIPTION:** Air Cushion Switch is a sensitive air bellows which when depressed transmits a change in air pressure along a tube, activating a switch. The activation pressure for this switch is 2 ounces.

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**PRODUCT: Air Cushion Switch (Single or Dual)**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** These switches consist of an air bellows with a tube leading to a switching unit. A light touch on the bellows sends air pressure to the switching unit where the change in pressure activates a switch. Switching units are available with one or two sets of bellows for single or dual switching. The bellows have a threaded hole for mounting.

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**PRODUCT: Air Switch**
VENDOR: Medical Equipment Distributors Inc.
3223 South Loop 289 - Suite 150
Lubbock, TX 79423
(806) 793-8421

**PRODUCT DESCRIPTION:** This single switch is activated by a change in air pressure in a tube connected to it - activated by either a sip or a puff.

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**PRODUCT: Air Switch Kits**
VENDOR: Maddak Inc.
Bel-Art Products Subsidiary
Industrial Road
Pequannock, NJ 07440-1993
(201) 694-0500

**PRODUCT DESCRIPTION:** Air Switch Kits consist of a squeeze type switch (operated by squeezing a rubber bulb), a 9V battery operated motor with 1" shaft, and battery clips. Three types of bulbs are available: a small hand bulb (3.5" x 1.6" diam.), a large hand bulb (5.2" x 1.5" diam.) and a pillow bulb (0.6" x 3.6" diam.). Battery is not included.

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**PRODUCT: Arm Slot Control**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** Arm Slot Control is a semicircular array of five lever switches, each in its own slot. The user can activate any of the switches by guiding an arm into the slot and then pressing down on the switch. Dividers between the switches prevent more than one switch from being activated at a time. An audible click is presented when a switch is activated.

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**PRODUCT: Armslot Switch Controller (ASC-5)**
VENDOR: DU-IT Control Systems Group Inc.
8765 Township Road #513
Shreve, OH 44676
(216) 567-2906

**PRODUCT DESCRIPTION:** The Armslot Switch Controller is typically used by a person with severe cerebral palsy to drive a powered wheelchair. It contains five paddle switches arranged so that poorly controlled arm movement cannot activate more than one switch at a time. The switch functions (typically forward, back, left, right and select) may be installed in any slot in the configuration best suited to the user. An audible click is provided when a switch is activated.

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**PRODUCT: Asaflex Model TS**
VENDOR: Asahel Engineering Inc.
N.E. 117 Olsen St.
Pullman, WA 99163
(509) 334-2226

**PRODUCT DESCRIPTION:** Asaflex is a switch operated by muscle flexion, slight muscle movement or sound. The sensor unit used is connected to a switching unit, which can be connected to a switch-operated low power device (wall current cannot flow through the Asaflex). Buzzer and timer are available.

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**PRODUCT: Barrel Switch**
VENDOR: Handicapped Children's Technological Srvs.
P.O. Box 7
Foster, RI 02825
(401) 861-6128

**PRODUCT DESCRIPTION:** Barrel Switch is a cylinder mounted horizontally on a wooden base. Switch closure is triggered by rotation of the cylinder.

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**PRODUCT: Body Switch (BS-1)**
VENDOR: DU-IT Control Systems Group Inc.
8765 Township Road #513
Shreve, OH 44676
(216) 567-2906

**PRODUCT DESCRIPTION:** The Body Switch is a pushbutton, single switch operated by pressure from any convenient part of the body. The Body Switch comes with normally open contacts, but is also available with normally closed contacts. It can be activated with as little as 3 oz. of force, but can sustain up to 200 lbs. of force. It emits an audible click when activated.

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**PRODUCT: Button Switch**
VENDOR: Medical Equipment Distributors Inc.
3223 South Loop 289 - Suite 150
Lubbock, TX 79423
(806) 793-8421

**PRODUCT DESCRIPTION:** This switch consists of a small wafer with a pushbutton on it. Light pressure(less than 2 ounces) on the button activates a single switch.

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**PRODUCT: Button Switch**
VENDOR: Toys for Special Children Inc.
385 Warburton Ave.
Hastings-on-Hudson, NY 10706
(914) 478-0960

**PRODUCT DESCRIPTION:** Button Switch is activated by pressing a button similar to a doorbell. The button is mounted on a rectangular base with suction cup feet.

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**PRODUCT: Cap Switch**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** Cap Switch is a small single switch controlled by pressing the top surface. Cap Switch provides auditory feedback upon activation. The activation pressure is 50 g.

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**PRODUCT: Capacitive Touchplate Interface**
VENDOR: Hugh MacMillan Medical Centre
350 Rumsey Road
Toronto, ON M4G 1R8
Canada
(416) 425-6220

**PRODUCT DESCRIPTION:** The Capacitive Touchplate system has five individual capacitive touch plate channels. The touch plate is operated from the body's capacitance and requires only contact - no pressure. Three versions are available that alter positions and sizes to adapt for limited range of motion or force output. The system can control communication aids or wheelchairs.

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**PRODUCT: Clamp-On Bump Switch**
VENDOR: Luminaud Inc.
8688 Tyler Boulevard
Mentor, OH 44060
(216) 255-9082

**PRODUCT DESCRIPTION:** Clamp-On Bump Switch is activated by 2 oz. of pressure on its tip. This switch attaches to a bed, chair, table, etc. and is activated by any convenient part of the body. Both momentary and toggle models are available.

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**PRODUCT: Computer Keyboard Switch**
VENDOR: Toys for Special Children Inc.
385 Warburton Ave.
Hastings-on-Hudson, NY 10706
(914) 478-0960

**PRODUCT DESCRIPTION:** Computer Keyboard Switch is a small version of a computer keyboard that functions as a single switch. Pressing any key activates the same switch closure. This switch is designed to accustom the user to causing an event by pressing on a keyboard and cannot actually function as a computer keyboard.

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**PRODUCT: Computer Plate Switch**
VENDOR: Toys for Special Children Inc.
385 Warburton Ave.
Hastings-on-Hudson, NY 10706
(914) 478-0960

**PRODUCT DESCRIPTION:** Computer Plate Switch is a plate switch with a picture of a computer keyboard laminated to the surface of the plate. This switch is designed to accustom the user to striking a computer keyboard to achieve some effect, without the user needing to handle actual computer equipment.

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**PRODUCT: Cup Switch**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** The Cup Switch is a Cap switch "cupped" in a plastic base. The base provides a surface for easy mounting on table, pillow or wheelchair bracket. The switch is operated by pressing the top surface. The switch is 1.75" in diameter, height 0.5". Activation pressure is 180 g.

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**PRODUCT: Cylindrical Touch Switch**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** Cylindrical Touch Switch is a switch activated by skin contact. Two surfaces on the switch can be contacted; each activates a different switch. Cylindrical Touch Switch may require a power supply (extra) to be operated with some devices.

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**PRODUCT: Developmental Lever Control**
VENDOR: Handicapped Children's Technological Srvs.
P.O. Box 7
Foster, RI 02825
(401) 861-6128

**PRODUCT DESCRIPTION:** Developmental Lever Control is a switch device with two levers mounted on a speaker which can plug into the auxiliary port to control a tape recorder. The unit is mounted onto a flat object with a C-clamp (extra). The activation pressure is 4 ounces.

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**PRODUCT: Double Push Panel**
VENDOR: Handicapped Children's Technological Srvs.
P.O. Box 7
Foster, RI 02825
(401) 861-6128

**PRODUCT DESCRIPTION:** Double Push Panel is a pair of plexiglass panels mounted on a wooden base. Pushing either panel activates a switch. An audible click is provided when the switch is activated. The activation pressure that this switch requires is between 4 and 5 ounces.

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**PRODUCT: Dual Plate Switch**
VENDOR: ZYGO Industries
P.O. Box 1008
Portland, OR 97207-1008
(503) 684-6006

**PRODUCT DESCRIPTION:** This switch is activated by pressing either end of a rocking plate. Pressing one end activates one switch; pressing the other activates the second switch. Activation pressure is 8 ounces.

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**PRODUCT: Dual Pneumatic Switch**
VENDOR: ZYGO Industries
P.O. Box 1008
Portland, OR 97207-1008
(503) 684-6006

**PRODUCT DESCRIPTION:** Dual Pneumatic Switch is a switching unit activated by sipping or puffing on a tube. Each of the two actions activates a different switch. Any chosen tube may be used; one is available as well from the manufacturer (extra). Activation pressure is 0.1 psi.

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**PRODUCT: Dual Pushbutton Switch**
VENDOR: ZYGO Industries
P.O. Box 1008
Portland, OR 97207-1008
(503) 684-6006

**PRODUCT DESCRIPTION:** Dual Pushbutton Switch is a pair of snap-action button switches housed side-by-side, each in a 1.25" diameter recess. Switches are activated by pressing. An audible click is provided when switch is activated. The activation pressure required is 8 ounces.

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**PRODUCT: Dual Rocking Lever Switch**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** The Dual Rocking Lever Switch is dual-operated by pushing on either end of a plate. One end activates one switch, the other activates the other switch. The housing is made of plastic, with rubber feet and a threaded hole for mounting. Dual Rocking Level Switch is available in two models: low or medium activation force. The activation pressure is adjustable.

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**PRODUCT: Dual Tongue Switch (TS-2C)**
VENDOR: DU-IT Control Systems Group Inc.
8765 Township Road #513
Shreve, OH 44676
(216) 567-2906

**PRODUCT DESCRIPTION:** Dual Tongue Switch is a dual switch designed to be operated by tongue, nose, chin, cheek or finger movement. The switch comes complete with gooseneck and table mounting hardware. The activation pressure is usually 0.75 oz., but it is adjustable.

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**PRODUCT: Evaluation Kit**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** This set of adaptive devices allows teachers, physical therapists and other rehabilitation specialists to work with individuals having severe physical handicaps to determine appropriate interfaces with IBM PCs. Pressure plates and switches, an eyebrow switch, fist/foot keyboards, a breath switch, a membrane keyboard, a heavy-duty joy stick and table-top or wheelchair mountings are available. Cost varies with components selected.

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**PRODUCT: Eyebrow Switch**
VENDOR: Words Plus
P.O. Box 1229
Lancaster, CA 93534
(805) 949-8331

**PRODUCT DESCRIPTION:** This switch is mounted on a visor. A lever projects down in front of the forehead, resting against it. When the user wrinkles the forehead or raises the eyebrow, the switch is activated. An audible click is provided with switch activation.

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**PRODUCT: Finger Flex Switch**
VENDOR: Luminaud Inc.
8688 Tyler Boulevard
Mentor, OH 44060
(216) 255-9082

**PRODUCT DESCRIPTION:** Finger Flex Switch is a switch built into a partial glove. Bending fingers approximately 10 to 25 degrees activates the switch. The switch uses a 3.5 mm mini-phone plug as a connector.

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**PRODUCT: Firm Grip Joystick Holder**
VENDOR: Psychological Software Services Inc.
6555 Carrollton Ave.
Indianapolis, IN 46220
(317) 257-9672

**PRODUCT DESCRIPTION:** The Firm Grip Joystick Holder allows easy use of the joystick for persons with limited or no use of one hand. Two straps hold the joystick in place, while four suction cups on the bottom of the device secure it to a flat surface in front of your computer. An optional plexiglass undersheet provides a workspace and assures a good hold for the suction cups.

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**PRODUCT: Flat Air Cushion Switch**
VENDOR: Toys for Special Children Inc.
385 Warburton Ave.
Hastings-on-Hudson, NY 10706
(914) 478-0960

**PRODUCT DESCRIPTION:** Flat Air Cushion Switch is a single switch consisting of a flat circular air bellows and a switching unit connected by a flexible tube. When the bellows is depressed, the change in pressure is transferred along the tube, activating the switching unit, which functions as a regular switch.

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**PRODUCT: Flex Switch**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** Flex Switch is a single switch operated by bending the flexible rubber tip 1/2 inch in any direction. Flex comes mounted on an angled metal rod; the rubber tip can be removed and rotated. Activation pressure is 180 g.

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**PRODUCT: Fulcrum Trackball Plus**
VENDOR: Fulcrum Computer Products
459 Allan Court
Healdsburg, CA 95448
(707) 433-0202

**PRODUCT DESCRIPTION:** This is a cursor pointing device, designed for interfacing with an IBM computer and many CAD/CAE environments via a standard RS232 port. Pointing and cursor control can be achieved by the use of the fingertips to position the ball. It requires 4.62" by 5.37" of desk space. Six user switches are provided for additional flexibility with menu driven software such as CAD/CAM applications.

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**PRODUCT: Grasp Switch**
VENDOR: Handicapped Children's Technological Srvs.
P.O. Box 7
Foster, RI 02825
(401) 861-6128

**PRODUCT DESCRIPTION:** Grasp Switch is a cylindrical switch activated by grasp pressure. The switch requires an activation pressure of six ounces to trigger a response. A 1/8" mini-phone plug is connects the switch to the device or toy to be controlled.

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**PRODUCT: Grip Switch**
VENDOR: Toys for Special Children Inc.
385 Warburton Ave.
Hastings-on-Hudson, NY 10706
(914) 478-0960

**PRODUCT DESCRIPTION:** Grip Switch is a rubber cylindrical air bellows connected by a tube to a switching unit. Grasping the cylinder and exerting slight pressure activates the switching unit, which functions as a regular switch.

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**PRODUCT:** Hand Switch
VENDOR: ComputAbility Corporation
101 Route 46 East
Pine Brook, NJ 07058
(800) 345-4076 (201) 882-0171

**PRODUCT DESCRIPTION:** This Easy Action Hand Switch is a 2"-long lever switch designed to be operated by hand. Activation pressure is 2 ounces. Interface to IBM PCs and PS/2s is through AID+ME.

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**PRODUCT:** Head Control for Wheelchairs
VENDOR: Hugh MacMillan Medical Centre
350 Rumsey Road
Toronto, ON M4G 1R8
Canada
(416) 425-6220

**PRODUCT DESCRIPTION:** Head Control for Wheelchairs is a switching unit that uses four mercury tilt switches to trigger switch closures based upon six possible positions of the user's head. The control unit is mounted on the user's headband and plugs into the control box of the wheelchair. The six positions are FWD, REV, FWD RIGHT, FWD LEFT, REV RIGHT and REV LEFT. There is also a neutral position. Each position makes a different momentary SPST (Single Pull Single Throw) closure.

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**PRODUCT:** Head Switch
VENDOR: ComputAbility Corporation
101 Route 46 East
Pine Brook, NJ 07058
(800) 345-4076 (201) 882-0171

**PRODUCT DESCRIPTION:** Easy Action Head Switch is a lever switch designed to be operated by the hand or head. Padded lever is 3" long. The activation pressure required is 2 ounces. Interface to IBM PCs and PS/2 is through AID+ME.

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**PRODUCT:** Headband Switch
VENDOR: Luminaud Inc.
8688 Tyler Boulevard
Mentor, OH 44060
(216) 255-9082

**PRODUCT DESCRIPTION:** Headband Switch consists of an adjustable headband equipped with a switch that has a small paddle for a lever. The paddle rests on and must be taped to the forehead; raising the forehead muscles activates the switch. The activation pressure ranges between 1 and 2 ounces.

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**PRODUCT:** Infrared Switch
VENDOR: Words Plus
P.O. Box 1229
Lancaster, CA 93534
(805) 949-8331

**PRODUCT DESCRIPTION:** Infrared Switch is activated by the reflection of an infrared beam. The small unit that projects the beam can be mounted on a pair of eyeglass frames, and the harmless beam is directed at the eye. Sufficient lateral eye movement or blinking activates the switch. It may also be activated by movement of other body parts if attached properly.

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**PRODUCT:** Joystick
VENDOR: Toys for Special Children Inc.
385 Warburton Ave.
Hastings-on-Hudson, NY 10706
(914) 478-0960

**PRODUCT DESCRIPTION:** This joystick has a cylindrical handle and a thin base. Pushing the handle in each of four directions activates one of four devices.

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**PRODUCT:** Joystick Interface Control
VENDOR: Hugh MacMillan Medical Centre
350 Rumsey Road
Toronto, ON M4G 1R8
Canada
(416) 425-6220

**PRODUCT DESCRIPTION:** The Joystick Interface Control is a four-microswitch, non-gated, eight-position joystick that activates switches individually or adjacent switches simultaneously. It is adaptable to communication aids using this kind of switching. The Joystick is of the "X" format; the push travel to activate the switches is 1 1/8". A variety of connectors, knobs and bars are available. An OFF/ON switch and power ON visual indicator are included.

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**PRODUCT:** Joystick with Pad Switch
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** Joystick with Pad Switch is a four position gated joystick, with four slotted directions of movement. The fifth switch is a pad switch used for control action. This switch requires an activation pressure of 200 g.

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**PRODUCT:** L.T. Switch
VENDOR: Don Johnston Developmental Equipment Inc.
P.O. Box 639
Wauconda, IL 60084
(312) 526-2682 312/526-4177FAX

**PRODUCT DESCRIPTION:** The L.T. Switch, designed for users with limited strength, is activated with 0.75 ounces of pressure and emits a click when activated.

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**PRODUCT: Leaf Switch**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** The Leaf Switch is a single switch operated by pressing one side of the leaf. The tip of the leaf requires 1/4" of movement for operation. The Leaf Switch has a removeable 3" diameter foam pad. Mounting requires additional tubular mounting hardware. Activation pressure is 50 g.

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**PRODUCT: Leaf Switch**
VENDOR: Toys for Special Children Inc.
385 Warburton Ave.
Hastings-on-Hudson, NY 10706
(914) 478-0960

**PRODUCT DESCRIPTION:** This switch consists of a vinyl covered flexible spring. When a very light, delicate touch is applied, the switch is activated.

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**PRODUCT: Leaf Switch**
VENDOR: ZYGO Industries
P.O. Box 1008
Portland, OR 97207-1008
(503) 684-6006

**PRODUCT DESCRIPTION:** This switch has a protruding flat vinyl-covered metal leaf. Any flexion of the leaf activates a switch. The base has holes for mounting. Two different leaf lengths are available. Activation pressure needed is 1 ounce.

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**PRODUCT: Left/Right Rocker Switch**
VENDOR: Don Johnston Developmental Equipment Inc.
P.O. Box 639
Wauconda, IL 60084
(312) 526-2682 312/526-4177FAX

**PRODUCT DESCRIPTION:** Left/Right Rocker Switch is a dual switch activated by pressing the plate on either side. Pressing one end activates one switch; pressing the other end activates the second. An auditory click is produced when a switch is activated. Activation pressure is 5 ounces.

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**PRODUCT: Lever Switch**
VENDOR: ZYGO Industries
P.O. Box 1008
Portland, OR 97207-1008
(503) 684-6006

**PRODUCT DESCRIPTION:** This switch is activated by pressing against a padded lever. The lever must travel 0.06" for activation. The activation pressure required ranges between 4 and 8 ounces.

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**PRODUCT: Lever Switch**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** This Lever Switch is a dual switch activated by pushing the lever in either of two directions. The lever automatically returns to the center-off position when pressure is off. Activation pressure is 100 g.

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**PRODUCT: Light Touch Lever Switch**
VENDOR: Medical Equipment Distributors Inc.
3223 South Loop 289 - Suite 150
Lubbock, TX 79423
(806) 793-8421

**PRODUCT DESCRIPTION:** This dual switch has a short protruding lever. Pushing on the lever activates the switch. Moving the lever to one side operates one switch and moving it to the other side operates another switch. The activation pressure required by this switch is less than 4 ounces.

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**PRODUCT: Lite Touch**
VENDOR: Lovejoy Electronics
35 Garrison Street
Portland, ME 04102
(207) 774-9421

**PRODUCT DESCRIPTION:** Lite Touch is a light activated joystick emulator. Four sensors attach to easch side of the computer screen. Up to four more sensors may be placed at the corners. The user wears an optical pointer attached to the head or some other part of the body. The pointer is directed at the first four sensors in order to emulate the four directions of movement of a joystick. The additional sensors act as the "fire" button. The sensors plug into an external receiving unit, which plugs into the computer's joystick (or game) input port. Lite Touch may be used to run any program, game, etc. that uses a switch-type joystick for input. An option for emulating proportional joysticks is in development. Lenses of different focal lengths are available for the printer. A word processing program that uses joystick input, Joywriter from Green Software, is available. The four sensors have mini-plugs attached; two may be used as dual switch input with PC AID available from DADA.

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**PRODUCT: Magnetic Finger Switch**
VENDOR: Luminaud Inc.
8688 Tyler Boulevard
Mentor, OH 44060
(216) 255-9082

**PRODUCT DESCRIPTION:** Magnetic Finger Switch consists of a sleeve, which contains the magnet, that fits over a finger and a small external switch unit. A small movement (0.38") of the finger toward the switch unit activates the switch.

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**PRODUCT: Membrane Plate Switch**
VENDOR: Crestwood Company
P.O. Box 04606
Milwaukee, WI 53204-0606
(414) 461-9876

**PRODUCT DESCRIPTION:** The Membrane Plate Switch, a thin membrane switch operated by 2.0 ounces of force, comes with a five foot cable and a mini-phone plug connector.

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**PRODUCT: Mercury Tilt Switch**
VENDOR: Luminaud Inc.
8688 Tyler Boulevard
Mentor, OH 44060
(216) 255-9082

**PRODUCT DESCRIPTION:** Mercury Tilt switch is activated by a change in position. This switch comes with a band for attaching to the wrist, arm, leg, etc.

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**PRODUCT: Micro Joystick with Push Switch**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** Micro Joystick with Push Switch is a four position very short stroke (.06") ungated joystick. Pushing down on the joystick shaft activates the fifth switch. The activation pressure ranges from 60 to 120 g.

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**PRODUCT: Mini Cup Switch**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** This is the smallest single switch produced by TASH, Inc. It has a diameter of 1" and a height of 5/16". As with the larger Cup Switch, it is a Cap switch in a plastic base which provides a surface for easy mounting on table, pillow or wheelchair bracket. The switch is operated by pressing the top surface. The activation pressure needed is 120 g.

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**PRODUCT: Mini Joystick with Pneumatic Switch**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** This joystick is a four position short stroke (0.5") ungated joystick with a flexible rubber shaft. The fifth switch is activated by puffing through the shaft. Activation pressure is 120 g.

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**PRODUCT: Mini Joystick with Push Switch**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** Mini Joystick with Push Switch is a four position short stroke (0.5") ungated joystick with a flexible rubber shaft. This joystick can have two switch closures simultaneously, such as moving both diagonally and down the screen. Pushing down on the shaft activates the fifth switch. Activation pressure required ranges between 120 and 200 g.

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**PRODUCT: Mini Rocking Lever Switch**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** Mini Rocking Lever Switch is a small dual switch operated by pressing the plate on top. Pressing one side activates one switch; pressing the other side activates the other. Hook-and-loop type material for mounting comes on the bottom. The activation pressure is 2.5 ounces.

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**PRODUCT: Mounting Switch**
VENDOR: Don Johnston Developmental Equipment Inc.
P.O. Box 639
Wauconda, IL 60084
(312) 526-2682 312/526-4177FAX

**PRODUCT DESCRIPTION:** The Mounting Switch is a versatile switch that may be mounted in a variety of locations. It is designed to be mounted at head level. An audible click is emitted by the Mounting Switch when the switch is closed.

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**PRODUCT: Multiport**
VENDOR: Psychological Software Services Inc.
6555 Carrollton Ave.
Indianapolis, IN 46220
(317) 257-9672

**PRODUCT DESCRIPTION:** Multiport is a game peripheral port adapter that allows the user to select between two different game control devices with a single switch. Multiport eliminates the need to unplug either of the two game controls.

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**PRODUCT: Neurolink**
VENDOR: Cybernetics
918 Rothowood Road
Lynchburg, VA 24503
(804) 384-1476 (804) 384-7538

**PRODUCT DESCRIPTION:** Neurolink is an input/output access system for severely mobility-handicapped persons that translates very low neurological signals into a form the computer can interpret. The system's only requirement is that the user have voluntary control of some neuromuscular system, no matter how small. Neurolink for the IBM PC consists of a three electrode EMG, an infra-red transmitter and an infra-red receiver which connects to an information card in the computer. Neurolink simulates keyboard entry by inputting characters from a scanning array which appears on the monitor. A Morse Code program also provides a facility for faster inputting than using the character selection method.

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**PRODUCT: P-Switch**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** The P-Switch is a sensitive electronic switch which can be activated by almost any muscle movement. When any surface in contact with the switch moves (e.g.the skin of the forehead when the brow is wrinkled), the wafer sends a signal to the switch unit. Sensitivity of the P-Switch can be adjusted. Light and optional audible tone indicate when the switch is activated.

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**PRODUCT: Paddle Panel**
VENDOR: Psychological Software Services Inc.
6555 Carrollton Ave.
Indianapolis, IN 46220
(317) 257-9672

**PRODUCT DESCRIPTION:** The Paddle Panel is a replacement for handheld gamepaddle devices designed to allow better control as well as bilateral manipulation activities. Paddle Panel has two buttons and two knob controls and plugs directly into the game I/O port on the back of the computer.

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**PRODUCT: PC-Pedal**
VENDOR: Brown & Co. Inc.
P.O. Box 2443
So. Hamilton, MA 01982
(508) 468-7464

**PRODUCT DESCRIPTION:** PC-Pedal is a single foot-pedal switch that acts as any of several keys to permit one-hand computing. Two versions are available: Standard - to control the SHIFT, ALT or CONTROL keys; Enhanced - to control any desired key. The Standard version may redefine the space bar as a backspace-delete key so the user does not need to move from the home position to perform this function. To choose which key the pedal emulates, the user presses the pedal with the desired special key. When the pedal is subsequently pressed, it acts as the defined key until redefined. Any single switch may be substituted for the pedal, and it may be mounted anywhere. All setup software is included; PC-Pedal plugs into the standard parallel port of the computer. A printer may be plugged into the PC-Pedal plug, and the two will not interfere with each other.

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**PRODUCT: Penta Switch**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** Penta Switch is a set of five small button switches fitted in a disk-shaped housing. The activation pressure is 120 g.

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**PRODUCT: Photo Cell Switch**
VENDOR: Toys for Special Children Inc.
385 Warburton Ave.
Hastings-on-Hudson, NY 10706
(914) 478-0960

**PRODUCT DESCRIPTION:** Photo Cell Switch is a switch operated by interrupting a light beam. Any body part that can interrupt the beam can activate the switch.

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**PRODUCT: Picture Switch Kit**
VENDOR: ComputAbility Corporation
101 Route 46 East
Pine Brook, NJ 07058
(800) 345-4076 (201) 882-0171

**PRODUCT DESCRIPTION:** Allows up to eight switches to be connected to the computer for direct selection input. Includes multi-switch interface box and four picture switches measuring 2-1/2" x 4". AID+ME is recommmended.

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**PRODUCT: Pillow Switch**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** The Pillow Switch is a single switch operated by pressing the top foam surface. A pin and a velcro strip are attached to the bottom of the switch for fastening to a pillow or to clothing. This switch requires an activation pressure of 180 g.

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**PRODUCT: Pinch Switch**
VENDOR: Toys for Special Children Inc.
385 Warburton Ave.
Hastings-on-Hudson, NY 10706
(914) 478-0960

**PRODUCT DESCRIPTION:** This switch is a small, thin, vinyl-covered switch. When the user pinches lightly on the unit, the switch is activated.

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**PRODUCT: Plate Switch**
VENDOR: Toys for Special Children Inc.
385 Warburton Ave.
Hastings-on-Hudson, NY 10706
(914) 478-0960

**PRODUCT DESCRIPTION:** This switch is activated by pressing the plate on top. Suction cup feet are provided for stability. A Musical Plate Switch (with a built-in music box), a Lighted Plate Switch, a Mirror Plate Switch and a Vibrating Plate Switch (which vibrates when activated) are also available.

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**PRODUCT: Plate Switch**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** Plate Switch is a very thin single membrane switch. A colored circle on the surface marks the pressure sensitive area. Available in red, green, yellow, blue and orange. Activation pressure is 50 g.

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**PRODUCT: Plate Switch**
VENDOR: Don Johnston Developmental Equipment Inc.
P.O. Box 639
Wauconda, IL 60084
(312) 526-2682 312/526-4177FAX

**PRODUCT DESCRIPTION:** This Plate Switch is activated by 3 ounces of pressure and offers a click as audible feedback.

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**PRODUCT: Plate Switch**
VENDOR: Maddak Inc.
Bel-Art Products Subsidiary
Industrial Road
Pequannock, NJ 07440-1993
(201) 694-0500

**PRODUCT DESCRIPTION:** Plate Switch is a switch activated by pressing a 9.25" square plastic plate. The plate sits on top of large plastic base. This switch comes with two 3.5 mm jacks: one with normally closed contacts and one with normally open contacts.

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**PRODUCT: Plate Switch**
VENDOR: ZYGO Industries
P.O. Box 1008
Portland, OR 97207-1008
(503) 684-6006

**PRODUCT DESCRIPTION:** This single switch is activated by pressing on the plate on top. An audible click accompanies activation.

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**PRODUCT: Plate Switch On Stand**
VENDOR: Toys for Special Children Inc.
385 Warburton Ave.
Hastings-on-Hudson, NY 10706
(914) 478-0960

**PRODUCT DESCRIPTION:** Plate Switch on Stand is a switch activated by pressing on a plate. The switch is mounted on a gooseneck which has a stand for stability.

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**PRODUCT: Platform Switch**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** Platform Switch is a single switch consisting of a square platform with a large button in the center. Pressure on the button activates the switch. Activation pressure needed is 100 g.

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**PRODUCT: Pneumatic Switch**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** Pneumatic Switch is a dual switch operated by breathing through a tube. Sipping activates one switch; puffing activates the other. Pneumatic Switch has an internal saliva trap which can be cleaned. The mouthpiece is a disposable straw.

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**PRODUCT: Pneumatic Switch**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** Pneumatic Switch is a dual switch activated by sipping or puffing. A tube (which can be mounted for convenient access) has a mouthpiece attached. The user sips or puffs on the mouthpiece, and the change in air pressure is transferred along the tube to a switching unit. This unit activates one switch for sipping, one for puffing.

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**PRODUCT: Pneumatic Switch**
VENDOR: ZYGO Industries
P.O. Box 1008
Portland, OR 97207-1008
(503) 684-6006

**PRODUCT DESCRIPTION:** The Pneumatic Switch is a single switch controlled by sipping or puffing. Any small change in air pressure in the tube (caused by pursing the lips, moving the tongue, etc.) causes the switch to be activated. Attaching two switches "piggy back" allows the user to operate two switches with a single mouth tube. Activation pressure required is 0.02 psi.

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**PRODUCT: PRC Joystick**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** The PRC joystick is activated by pushing the handle in any of four directions. Each direction activates one of four switches. When used to control a scanning device, pushing diagonally may allow for diagonal scanning.

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**PRODUCT: Pressure Switch**
VENDOR: Luminaud Inc.
8688 Tyler Boulevard
Mentor, OH 44060
(216) 255-9082

**PRODUCT DESCRIPTION:** Pressure switch is designed to be worn on the upper arm, lower arm, knee, etc, on a 12-inch velcro strap. Pressure activates the switch.

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**PRODUCT: Puff Switch**
VENDOR: ComputAbility Corporation
101 Route 46 East
Pine Brook, NJ 07058
(800) 345-4076 (201) 882-0171

**PRODUCT DESCRIPTION:** Puff Switch is a switch activated by puffing into a mouthpiece attached to a tube. The switch comes with a 20" gooseneck and extra removeable mouthpieces. AID+ME is recommended as the interface.

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**PRODUCT: Puff-Sip**
VENDOR: DU-IT Control Systems Group Inc.
8765 Township Road #513
Shreve, OH 44676
(216) 567-2906

**PRODUCT DESCRIPTION:** The Puff-Sip Dual Switch is a pneumatic dual switch activated by blowing and sucking on the mouthpiece. Mounted on a gooseneck stand which is internally reinforced and longer than most, it has a clear plastic saliva trap and replaceable mouthpiece. It requires little or no movement and offers an easy and unobstrusive way to operate two switches.

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**PRODUCT: Pushbutton Switch**
VENDOR: ZYGO Industries
P.O. Box 1008
Portland, OR 97207-1008
(503) 684-6006

**PRODUCT DESCRIPTION:** Pushbutton Switch is a single snap-action switch. To activate the switch, the user presses a round button located in a 1.25" diameter recess. This switch requires an activation pressure of 2 ounces.

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**PRODUCT: Regenesis Breath Switch**
VENDOR: Regenesis Development Corporation
4381 Gallant Ave.
North Vancouver, V7G 1L1
Canada
(604) 929-2414

**PRODUCT DESCRIPTION:** A lightweight, electronic dual input switch to access a computer through the game port or an environmental control unit. This is a sensitive switch not affected by saliva, for use by persons with little head movement and good lip closure and by those dependent on a ventilator.

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**PRODUCT: Rocker Switch**
VENDOR: Medical Equipment Distributors Inc.
3223 South Loop 289 - Suite 150
Lubbock, TX 79423
(806) 793-8421

**PRODUCT DESCRIPTION:** This dual switch is activated by pressing down on either end of the plate on top. Pressing one end activates one switch; pressing on the other end activates the other.

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**PRODUCT: Rocker Switch**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** The Rocker Switch is a dual switch operated by pressing either side of the switch. It may be used to control a device requiring two switches for operation or to control two devices requiring a single switch. Activation pressure is 130 g.

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**PRODUCT: Rocking Plate Switch**
VENDOR: Toys for Special Children Inc.
385 Warburton Ave.
Hastings-on-Hudson, NY 10706
(914) 478-0960

**PRODUCT DESCRIPTION:** Rocking Plate Switch is a dual switch activated by pressing on either end of a long plate. Pressing one end activates one switch; pressing the other end activates the second. Suction cups are provided for stability.

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**PRODUCT: Round Pad Switch**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** Round Pad Switch is a disk-shaped single switch activated by pressure on the top surface. The activation pressure is 180 g.

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**PRODUCT: Single Push Panel**
VENDOR: Handicapped Children's Technological Srvs.
P.O. Box 7
Foster, RI 02825
(401) 861-6128

**PRODUCT DESCRIPTION:** Single Push Panel is a plexiglass panel mounted on a wooden base. Switch is activated by pushing the panel. The activation pressure required for this switch is 6 ounces.

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**PRODUCT: Single Rocking Lever Switch**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** The Single Rocking Lever Switch is a single switch activated by depressing the plate on top. The switch housing is made of plastic and has rubber feet on the bottom with a threaded hole for mounting. It comes in two models: low and medium force.

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**PRODUCT: Sip & Puff Switch**
VENDOR: Toys for Special Children Inc.
385 Warburton Ave.
Hastings-on-Hudson, NY 10706
(914) 478-0960

**PRODUCT DESCRIPTION:** This single switch is activated by sipping or puffing into a tube which is attached to a housing where the actual switch is located.

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**PRODUCT: Soft Switch**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** Soft Switch is a single switch with a soft surface; it comes in a velvet bag that can be removed and washed. Activation pressure is 800 g.

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**PRODUCT: Sponge Nurse Call Switch**
VENDOR: Dickey Engineering
3 Angel Road
North Reading, MA 01864
(508) 657-3460

**PRODUCT DESCRIPTION:** The Sponge Nurse Call Switch is a cloth covered single switch. Any slight movement will activate the switch. An eight foot cord is provided with a phone jack plug, and a miniature jack plug is available.

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**PRODUCT: Square Pad Switch**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** Square Pad Switch is a large single switch operated by pressing the top surface. A large target area is designed to compensate for the user's lack of controlled movement. Activation pressure needed is 600 g.

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**PRODUCT: Squeeze Type Switches**
VENDOR: Maddak Inc.
Bel-Art Products Subsidiary
Industrial Road
Pequannock, NJ 07440-1993
(201) 694-0500

**PRODUCT DESCRIPTION:** Squeeze Type Switches are activated by the flow of air squeezed out of an air bellows. A tube from the bellows leads to the switch housing, which has two output jacks: one with normally open contacts, one with normally closed contacts. Three types of bellows are available: a small hand bulb (3.5" x 1.6" diam.), a large hand bulb (5.2" x 1.5" diam.) and a pillow (flat disk) bulb (0.6" x 3.6" diam.).

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**PRODUCT: Switch Assessment Kit**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:**
Multiple versions are available including Ability Switch Tester, Deluxe Assessment Kit and Switch Assessment Kit. These items may help in the selection of appropriate switches to suit the user's needs and facilitates the selection of appropriate mounting arrangements.

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**PRODUCT: Thumb Switch**
VENDOR: ZYGO Industries
P.O. Box 1008
Portland, OR 97207-1008
(503) 684-6006

**PRODUCT DESCRIPTION:** Thumb Switch is a conical housing with a button switch located at one end. The switch is held in the palm of the hand, and the button is pressed with the thumb. The switch is styled as a traditional nursing call alarm switch. Activation pressure is 20 ounces.

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**PRODUCT: Tilt Switch**
VENDOR: Toys for Special Children Inc.
385 Warburton Ave.
Hastings-on-Hudson, NY 10706
(914) 478-0960

**PRODUCT DESCRIPTION:** Tilt Switch is a small unit containing a single mercury switch. When the unit is tilted, the switch is activated. The unit is mounted on a band which can be strapped to the desired part of the body.

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**PRODUCT: Tilt Switch**
VENDOR: Handicapped Children's Technological Srvs.
P.O. Box 7
Foster, RI 02825
(401) 861-6128

**PRODUCT DESCRIPTION:** Tilt Switch is a unit containing a mercury-filled level and a switch. When the level indicates that the unit is tilted, the switch is activated.

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**PRODUCT: Tip Switch**
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** The Tip Switch is a mercury switch with smooth surface to allow easy mounting and positioning. The switch is operated by tipping it down 5 degrees from its horizontal position.

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**PRODUCT:** Tongue Switch
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** Tongue Switch is a dual switch activated by pushing up or down on a short lever. The switch has a threaded hole for mounting, for easier access by the body part used to activate it.

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**PRODUCT:** Touch Sensitive Joystick Control
VENDOR: Handicapped Children's Technological Srvs.
P.O. Box 7
Foster, RI 02825
(401) 861-6128

**PRODUCT DESCRIPTION:** Touch Sensitive Joystick Control is a single, omni directional touch-sensitive switch that can be triggered by any movement which moves the control away from the neutral position. Activation pressure for this joystick is between 1 and 2 ounces.

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**PRODUCT:** Touch Switch
VENDOR: ZYGO Industries
P.O. Box 1008
Portland, OR 97207-1008
(503) 684-6006

**PRODUCT DESCRIPTION:** Touch Switch is a single switch activated by very light pressure on a plastic plate. The activation pressure is 3 ounces.

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**PRODUCT:** Tread Switch
VENDOR: ZYGO Industries
P.O. Box 1008
Portland, OR 97207-1008
(503) 684-6006

**PRODUCT DESCRIPTION:** Tread Switch is a single switch operated by depressing a treadle type lever. An audible click accompanies activation. The lever and the bottom of the switch are foam rubber coated. A tapped mounting hole is provided on the bottom of the switch. Activation pressure is 5 ounces.

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**PRODUCT:** Treadle Switch
VENDOR: TASH Inc.
70 Gibson Dr. - Unit 12
Markham, ON L3R 4C2
Canada
(416) 475-2212

**PRODUCT DESCRIPTION:** Treadle Switch is a single switch operated by pressing the hinged top surface. This switch allows the user to rest the body part used for activation on the switch's surface between activations. The activation pressure is 700 g.

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**PRODUCT: Vertical Plate Switch**
VENDOR: Toys for Special Children Inc.
385 Warburton Ave.
Hastings-on-Hudson, NY 10706
(914) 478-0960

**PRODUCT DESCRIPTION:** Vertical Plate Switch is a switch activated by pressing a circular button mounted on a right-angle bracket to allow it to be activated from the side. The bracket can be attached to a horizontal surface with provided suction cups, screws or double-sided tape. It can also be mounted so it is at a 41 degree angle.

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**PRODUCT: Voice Activated Switch**
VENDOR: Toys for Special Children Inc.
385 Warburton Ave.
Hastings-on-Hudson, NY 10706
(914) 478-0960

**PRODUCT DESCRIPTION:** Voice Activated Switch is a switch unit with a self-contained microphone. When the microphone detects a sound (such as speech), the switch is activated.

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**PRODUCT: Wobble Switch**
VENDOR: ComputAbility Corporation
101 Route 46 East
Pine Brook, NJ 07058
(800) 345-4076 (201) 882-0171

**PRODUCT DESCRIPTION:** This switch has a protruding flexible lever; bending the lever activates the switch. The switch placement is flexible, allowing it to be placed directly on the monitor for activation.

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**PRODUCT: Wobble Switch**
VENDOR: Toys for Special Children Inc.
385 Warburton Ave.
Hastings-on-Hudson, NY 10706
(914) 478-0960

**PRODUCT DESCRIPTION:** This switch is activated by any flexion of the spring lever. The lever comes mounted on a gooseneck and stand.

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**PRODUCT: Wobble Switch**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** This switch is activated by pushing against a lever. The lever has a spring built in and can be pushed in any direction for activation. The Wobble Switch comes with a threaded hole for mounting.

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## Voice Recognition

Voice input may be used as a form of data entry. Although this voice recognition technology is not to a stage where unlimited vocabulary and speech pattern variations are accepted, significant function and products do exist and are being used.

**PRODUCT: ABLE-2 Product Family**
VENDOR: Automated Business & Services Inc.
6715 Kenilworth Ave.
Riverdale, MD 20737-9960
(301) 454-8200

**PRODUCT DESCRIPTION:** The ABLE-2 product family provides a wide spectrum of support to computer users with special needs. ABLE-2 is a systematic program in four parts: needs assessment, workstation family, focused training, life cycle support. Needs assessment focuses on vision-impaired/blind, hearing-impaired/deaf and neuromuscular-impairment or para/quadriplegic. Computer users with visual impairment are provided with optical character readers, voice synthesis, screen readers, tactile output displays and Braille output devices. The workstation family may be configured with voice input module, mouse, foot pedal, joystick and headpointer.

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**PRODUCT: ACS Medicom Computer System**
VENDOR: ACS Telecom
25825 Eshelman Ave.
Lomita, CA 90717
(213) 325-3055

**PRODUCT DESCRIPTION:** ACS Medicom Computer System is a complete system for communication, environmental control and computer access based on two IBM PCs. The PCs are connected as a parallel system and allow access to all IBM PC software. Two input systems are provided: voice and switch/body movement. The voice input system allows the user to create vocabularies which the computer will recognize and accept. The switch/body movement output system allows the user to enter data with a single switch, multiple switches or a joystick. A voice output option reads the screen via a speech synthesizer. With the ACS Medicom Computer System, the user may run standard software, control various appliances with BSR X-10 control modules, dial and talk on the telephone or communicate via computer networks. The system may be used for wheelchair and robotics control. Expansion options are available. Cost varies depending on features. ACS conducts research in rehabilitation technology.

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**PRODUCT: Butler-in-a-box**
VENDOR: MasterVoice
10523 Humbolt Street
Los Alamitos, CA 90720
(213) 594-6581

**PRODUCT DESCRIPTION:** Butler-In-A-Box is a voice-activated environmental control system with speech output. Once the user has trained the Butler to recognize the user's voice and commands, the commands activate various appliances: lights, TV, stereo, etc. Appliances can also be set to turn on or off at particular times. Appliances are activated remotely using BSR X-10 remote control modules. A telephone allows the user to remote-dial, answer and speak on the phone. Butler-In-A-Box can also be programmed to respond vocally and to detect the presence of intruders and request that they identify themselves. The device is equipped to act as a voice input unit for the IBM PC as well. Various appliance control units (lamp control, thermostat control, etc.) are available at extra cost. A backup copy of the Butler's memory can be stored on disk on a microcomputer.

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**PRODUCT: CINTEX**
VENDOR: NanoPac
6919 South 76th East Avenue
Tulsa, OK 74133
(918) 252-2959

**PRODUCT DESCRIPTION:** CINTEX is a software product allowing computer input by an eyebrow switch, a sip-n-puff switch, joystick or other contact switches. It offers functions for word processing and word prediction, printing, appliance and environmental control, telephone support, games, music composition and calculator use. An optional speech output and voice input function can recognize repeated sounds. The word processor contains anticipatory arrays providing word prediction, reducing the time to form words and sentences. Its environmental controller operates up to 256 household devices. Telephone support includes automatic dialing, switch to speaker phone, touch or pulse dialing and easy access to services requiring touch-tone input. The built-in full-function calculator includes registors, trigonometric and financial functions. The word processor accepts and stores musical notes allowing the user to compose music. The system provides musical playback without additional hardware.

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**PRODUCT: Coretechs VET3 Voice Entry Terminal**
VENDOR: Scott Instruments
1111 Willow Springs Drive
Denton, TX 76205
(817) 387-9514

**PRODUCT DESCRIPTION:** Coretechs VET3 Voice Entry Terminal is a device that allows spoken phrases to serve as input to a computer. The user creates a vocabulary of up to 200 words, letters or phrases for each application, trains the terminal to recognize these and assign each a sequence of characters. When the trained phrase is spoken into a microphone connected to the terminal, the assigned sequence of characters is sent to the computer as keyboard input. The standard keyboard may remain active while the terminal is in use. The VET3 system allows connected speech - there need be no unnatural pauses between words. Additional 200-word vocabularies may be created, stored and recalled. Messages may also be digitally stored and played back. A built-in program for facilitating vocabulary preparation is provided. Coretechs VET3 terminal is an external unit with output via an RS-232 serial port. This product from Scott replaces the Shadow/VET.

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**PRODUCT: Home Automation Link (HAL-ES)**
VENDOR: Voice Connection
17835 Skypark Circle - Suite C
Irvine, CA 92714
(714) 261-2366

**PRODUCT DESCRIPTION:** Home Automation Link (HAL-ES) is a multitasking PC system controlled entirely by voice. The complete voice-controlled IntroVoice VI (500 words) system allows a person to operate the computer, including word processing, electronic spread sheets, database management, programming, computer-aided drawing (CAD/CAM and AUTOCAD or VERSACAD by voice - no mouse). The ability to bypass or augment keyboard operation of the computer is a significant capability by voice, used in learning, access, environmental control and communications. Two programs operate simultaneously: the environmental program runs in background memory and the working program in foreground memory, allowing a user to work and control the computer at the same time. IntroVoice VI is a speech recognition/synthesis card which converts spoken words into commands or data. Multiple key data entry can be controlled by the spoken word, allowing the disabled to run word processing by "speaking out". IntroVoice V can be housed in an IBM AT or XT hooked up to BSR, a Rogers PC Monitor Board, a 32 Relay Control Board and modems.

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**PRODUCT: IBM PC Voice Activated Keyboard Utility**
VENDOR: IBM Corporation
Contact local IBM Authorized PC Dealer
(800) 426-2468

**PRODUCT DESCRIPTION:**

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**PRODUCT: IntroVoice III**
VENDOR: Voice Connection
17835 Skypark Circle - Suite C
Irvine, CA 92714
(714) 261-2366

**PRODUCT DESCRIPTION:** IntroVoice III is a combination keyboard and voice input system for an IBM PC, AT and XT. The keyboard plugs in the same as a standard keyboard, and offers separate numeric and cursor keypads, top-row function keys and a voice on/off key. The voice input system may be trained to recognize utterances of up to 1.25 seconds in length and programmed to enter a particular character string (1 to 76 characters long) for each trained utterance the user speaks into the system's microphone. The user constructs separate vocabularies for each application and stores (maximum 160 words per vocabulary). Software includes a program to create and store vocabulary, one to load an applications program and its vocabulary by voice and one with pre-programmed vocabularies for some popular applications. IntroVoice III comes with a microphone, manual and software and is portable.

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**PRODUCT: IntroVoice V**
VENDOR: Voice Connection
17835 Skypark Circle - Suite C
Irvine, CA 92714
(714) 261-2366

**PRODUCT DESCRIPTION:** IntroVoice V is a voice input system for the IBM PC, XT/AT and PS/2 Model 30. The user trains the system to recognize certain spoken utterances (up to 1.25 seconds long) and then programs these utterances to trigger strings of characters. When the user speaks a trained utterance into the system's microphone, the programmed string of characters is sent to the computer as if it were input from the keyboard. Sets of trained utterances may be created for each application program; these vocabularies can contain up to 500 utterances each. Subgroups within a vocabulary may also be created. The number of characters triggered by each utterance depends on memory; the maximum number of characters is 1,000. The microphone can be turned on and off by voice command. Software provided includes a program to assist the user in creating vocabularies, as well as one with predetermined vocabularies for certain popular applications. The system includes a PC board, microphone, manual and software; it can be hooked up to DECTalk or Speech Plus for output for the blind to say and hear voice input and output.

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**PRODUCT: IntroVoice VI**
VENDOR: Voice Connection
17835 Skypark Circle - Suite C
Irvine, CA 92714
(714) 261-2366

**PRODUCT DESCRIPTION:** IntroVoice VI is a complete voice input/output system designed for the IBM PC, XT and AT. The compact half-size circuit board combines voice recognition of 500 words with an accuracy of better than 98 percent and also provides unlimited text-to-speech synthesis. IntroVoice VI listens to commands or data entries and responds by sending keystrokes to the computer and text to the on-board synthesizer for audio output verification and prompting. Both voice input and output can be used with any IBM application program, with no modification to existing software. Voice recognition and synthesis character strings are easily defined by the Voice Utility Program (VUP) supplied with the system.

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**PRODUCT: Kurzweil Voicesystem (KVS)**
VENDOR: Kurzweil Applied Intelligence Inc.
411 Waverley Oaks Rd.
Waltham, MA 02154
(617) 893-5151

**PRODUCT DESCRIPTION:** The Kurzweil Voicesystem (KVS) is a device that allows spoken words and phrases to serve as input to a computer. It can recognize up to 1000 user-programmable utterances, each of which can be up to several seconds long. Different users can store different vocabularies. Voicesystem is hooked to the computer through the RS-232 serial port. Software is available to allow the user to define Voicesystem's input as keyboard input in order to allow standard software to be run transparently. Contact the manufacturer for details.

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**PRODUCT: Pronounce**
VENDOR: MTI Inc.
14711 N.E. 29th Pl. - Suite 245
Bellevue, WA 98007
(800) 325-9206 (206) 881-1789

**PRODUCT DESCRIPTION:** Pronounce is a voice input system for the IBM PC consisting of a microphone, a circuit card and special software. Pronounce will learn a word or phrase after having been exposed to it only once. The user can then define the utterances he or she has stored as commands for any standard software. Up to 128 utterances of 0.5 to 2 seconds' duration can be stored in a single vocabulary, and the number of vocabularies possible is limited only by available memory of the computer. Utterances of several words can also be interlinked. Commands triggered by Pronounce can be up to 255 keystrokes long. Pronounce requires 68K of RAM to operate and works with most MS-DOS and PC-DOS software products. Contact the manufacturer regarding compatibility of specific software.

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**PRODUCT: PTVC-756 (Portable Transaction Voice Computer)**
VENDOR: Voice Connection
17835 Skypark Circle - Suite C
Irvine, CA 92714
(714) 261-2366

**PRODUCT DESCRIPTION:** Voice Connection announces the world's first Portable Voice Data Logger. The PTVC is a self-contained battery-powered data entry device consisting of a Telxon Portable Transaction Computer (PTC) with a built-in IntroVoice recognition and synthesis unit. This hand-held microcomputer with Voice I/O collects and delivers information faster and more accurately. The PTVC is ideal for a warehouse or in-plant applications such as onsite data collection in retail, wholesale and industrial facilities. Applications such as inventory management, meter reading, real estate estimation, log grading, bridge and road inspection, shipping, receiving, military data collection and material handling abound. Increase productivity with bar code and voice. Collected data can be dumped into an RS-232.

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**PRODUCT: R/S II Series Wireless Link**
VENDOR: Communications Applied Technology
11150-14 Roger Bacon Dr.
Reston, VA 22090
(703) 481-0068

**PRODUCT DESCRIPTION:** The R/S II Series Wireless Link system transmits speech from a remote location to the voice input module of a computer. The user speaks into a microphone connected to a portable transmitter sending the signal via radio wave to a stationary receiver unit connected to a computer's voice input module. The R/S II Series can be equipped with input circuitry to accept audio signals sent back from the computer. The R/S II Series does not actually provide input to a computer, but transmits audio to an existing voice input module hooked up to an existing computer. The system works with any voice input module. An IBM PC type expansion board version of the base radio is available. Cost for the system includes headset, housing for 10-hour duty cycle, battery pack, charger, base radio and interconnect cable to recognizer.

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**PRODUCT: Speech Recognition Board**
VENDOR: International Voice Products
14251-B Chambers Rd.
Tustin, CA 92680
(714) 544-1711 714/544-4045FAX

**PRODUCT DESCRIPTION:** Connected speech recognition board.

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**PRODUCT: Speech Recognition Board LC II**
VENDOR: International Voice Products
14251-B Chambers Rd.
Tustin, CA 92680
(714) 544-1711 714/544-4045FAX

**PRODUCT DESCRIPTION:** The Vocalink Speech Recognition Board (SRB-LC II) is a voice recognition/voice response device for the IBM PC and compatibles. The SRB-LC II is trained to recognize the user's voice pattern for each word or command used, but once trained, the device recognizes vocabulary with 99 percent accuracy. It does not occupy any of the computer's available memory while operating. The keyboard remains active while the CSRB is in use, and may be used at any time. Software is provided to help the user create vocabularies. Starter vocabularies are provided for some popular applications programs. It provides voice digitization, recording/playback and telephone I/O.

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**PRODUCT: Speech Recognition Keyboard**
VENDOR: KeyTronic
P.O. Box 14687
Spokane, WA 99214
(800) 262-6006

**PRODUCT DESCRIPTION:** The Speech Recognition Keyboard is a standard IBM PC-compatible keyboard that also provides the option of entering characters or commands by speaking into a microphone. The Speech Recognition Keyboard plugs in exactly like a standard IBM PC keyboard and spoken input is accepted by the computer as equivalent to regular keyboard input. Maximum vocabulary is 160 words or phrases and maximum length for each utterance is 1.25 sec. Vocabulary and speech recognition can be customized to accomodate the individual user. A headset with microphone, an external (foot) switch and vocabulary management software are all provided with the keyboard.

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**PRODUCT: TI-Speech**
VENDOR: Texas Instruments
2301 North University
P. O. Box 53
Lubbock, TX 79408
(800) 842-2737 (806) 741-2000

**PRODUCT DESCRIPTION:** TI-Speech is a hardware and software package that allows voice to serve as input and synthesized voice to serve as output. The user trains the system to recognize certain short utterances. These utterances can then be programmed to trigger certain characters or commands as input to the computer. Synthesized speech can also be programmed to serve as output from an applications program; for instance a verbal prompt may be automatically given at a particular point in a program. The hardware consists of a circuit card, a microphone and a speaker; the software consists of a programming guide, a vocabulary management program, and a program that allows characters to be entered as on the standard keyboard. Two optional packages are also available (extra): TI-Speech Phone Manager, which allows TI-Speech's capabilities to be used in telecommunication; and TI-Speech Application Toolkit, which helps develop further applications, including text-to-speech.

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**PRODUCT:** VocaLink Series 4000
VENDOR: International Voice Products
14251-B Chambers Rd.
Tustin, CA 92680
(714) 544-1711 714/544-4045FAX

**PRODUCT DESCRIPTION:** VocaLink Series 4000 is a voice recognition system designed to provide voice input to a computer. The user trains the system to recognize certain spoken utterances (1 to 2 seconds long) and to associate each one with a character or string of characters that can be sent to a computer as input. The Series 4000 will accept continuous speech; unnatural pauses between words are not necessary. Up to 100 words or phrases may be stored in memory, and any number of vocabularies for different users or different applications may be stored on cartridges and loaded when needed. Software is provided to help the user train and create and manage vocabularies. Programming is done by connecting it to an IBM PC. The VocaLink Series 4000 is an external unit. The system sends ASCII characters as input to the computer via an RS-232 interface. A headset with microphone is provided. A more extensive software package for vocabulary management, the Voice Planner, is also available (extra).

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**PRODUCT:** Voice Card
VENDOR: Votan
4487 Technology Drive
Fremont, CA 94538
(415) 490-7600

**PRODUCT DESCRIPTION:** Voice Card is a plug-in circuit card for the IBM PC that provides for entering data and commands by voice. Utterances of more than one word can be recognized when spoken continuously (without pauses). The card's memory stores up to 300 continuous voice templates and up to 425 isolated (one-word) voice templates. Additional templates may be stored in memory and retrieved when needed. The keyboard continues to operate while the Voice Card is engaged. The Voice Card can digitize, store and play back speech, so pre-recorded speech output can be added to programs with the card. Input and output for the Voice card can be transmitted via telephone. Several software options are available for the Voice Card, including VoiceKey (a program that allows a single utterance to trigger a sequence of up to 80 characters) and a Software Development Toolkit that allows the development of various custom applications, including telephone answering and dialing. (Software is extra and requires an extra disk drive and 256K RAM.)

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**PRODUCT:** Voice Command
VENDOR: PRAB Command Inc.
5140 Sprinkle Rd.
Kalamazoo, MI 49002
(616) 383-4400

**PRODUCT DESCRIPTION:** Voice Command is a voice-controlled workstation designed for use by persons who are quadriplegic or with upper body restrictions. The computer-based, robotic arm workstation allows persons to become more productive and self-sufficient. Voice Command features a programmable robotic arm and a telephone management system. The systems operate most MS/DOS software.

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**PRODUCT: Voice Communications Option**
VENDOR: IBM Corporation
Contact local IBM Authorized PC Dealer
(800) 426-2468

**PRODUCT DESCRIPTION:** The IBM PC Voice Communications Option allows for voice recognition, speech synthesis, variable speed data communication through emulation, message recording/playback, phone system management and line monitoring. It adds specialized processing capability to emulate a modem, record and play back voice (audio), recognize voice commands, convert text to speech and recognize and issue telephony signals for the IBM PC, XT and AT.

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**PRODUCT: Voice Dialer**
VENDOR: Innovative Devices
1333 Lawrence Expressway - Suite 257
Santa Clara, CA 95051
(408) 984-1616

**PRODUCT DESCRIPTION:** This device can store up to 200 numbers with provisions for two emergency numbers - police and fire. Voice activation allows you to store 100 numbers.

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**PRODUCT: Voice Drive**
VENDOR: Supersoft
P.O. Box 611328
San Jose, CA 95161-1328
(408) 745-0234

**PRODUCT DESCRIPTION:** Voice Drive enables the user to substitute voice commands for keystrokes; it is menu driven, uses the Tecmar Voice Recognition Board, has a 100-word vocabulary, training package and works with graphics pad spreadsheet program.

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**PRODUCT: Voice Interactive Computer**
VENDOR: Hy-Tek Manufacturing Company
Adaptive Systems Division
1980 Route 30
Sugar Grove, IL 60554
(312) 466-7664

**PRODUCT DESCRIPTION:** The Voice Interactive Computer allows the user to run popular business and educational programs with voice input and to communicate using an optional modem, voice output and emulator systems. It also aids the user in operating computer functions such as print, copy, type and format. Voice patterns are stored and used for input as keyed data. The voice input system will adapt to vocal changes over time, reducing the need to retrain. Voice variation as a result of physical disability is compensated by internal programming, tolerance and vocabulary enhancement. Voice output options include most types of synthesizers and review programs. Adaptive microphone designs include a headset, desk mount, throat mount and wireless design.

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**PRODUCT: Voice Systems Package**
VENDOR: SRI Distribution Inc. (Power Var)
2691 Dow Ave. - Suite F
Tustin, CA 92680
(714) 544-9941

**PRODUCT DESCRIPTION:** The Voice Systems Package is an integrated speech input/output hardware and software package for the IBM PC. It consists of components for voice recognition from Kurzweil AI, text-to-speech output from Speech Plus and voiced screen review called Speech DOS from Enable Talking Software. Data may be entered via the voice recognition device, which has a user-definable vocabulary of up to 1,000 words or phrases for each application. The voice recognizer, a self-contained desktop unit, operates in a transparent mode, allowing it to be used as input to existing applications, without modifying the code, by translating voice commands automatically into a series of user-defined keyboard inputs. Data is also entered with the keyboard. Speech DOS software translates voice or keyboard input to speech output. The Speech Plus synthesizer converts ASCII text messages to speech. An adaptation without voice recognition is available as the Enable Reader Speech Professional System.

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**PRODUCT: VoiceScribe-1000**
VENDOR: Dragon Systems Inc.
Chapel Bridge Park
90 Bridge Street
Newton, MA 02158
(617) 965-5200

**PRODUCT DESCRIPTION:** VoiceScribe-1000 is a voice input system with a potential 1000-word vocabulary. The user trains the system to recognize certain utterances (short words or phrases) and associates each one with a particular input to the computer. When the user speaks a trained utterance into a microphone, the programmed character or string of characters is sent to the computer. The VoiceScribe-1000 package consists of an internal circuit card for the IBM PC, voice recognition software, documentation and the DragonKEY voice activated keyboard utility software, which allows the system to interface with most MS-DOS PC software.

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**PRODUCT: VTR 6050 Series II**
VENDOR: Votan
4487 Technology Drive
Fremont, CA 94538
(415) 490-7600

**PRODUCT DESCRIPTION:** The VTR 6050 Series II voice terminal is a device that allows voice to be used as input to any computer accepting RS-232 input. The user programs the VTR 6050 unit to associate certain utterances with strings of ASCII characters (up to 30 characters in length). These strings can then be sent to the host computer as RS-232 input. Up to 20 strings can be stored in a buffer before being transmitted. Individual vocabularies of utterances can contain up to 150 words each; the number of potential vocabularies is limited only by the amount of memory accessible to the VTR 6050. The VTR 6050 can also accept and execute commands sent from the host computer, and can digitize, store, and play back voice messages. Input and output can be sent via telephone. The VTR also has a built-in floppy drive for extra vocabulary storage.

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## Electronic Environment Control

Being able to be self-sufficient is fundamental to one's sense of independence and initiative. For an individual with a disability, accessing appliances and other household items is essential to independent living skills. Using accessories connected to an IBM Personal Computer, a radio, television, telephone, air conditioning or heating unit, motorized drapes or most any other electrical device can be operated. For example, a voice recognition system can be programmed to recognize commands given by the user's voice and, thus, activate certain appliances in a room.

**PRODUCT: ACS Medicom Computer System**
VENDOR: ACS Telecom
25825 Eshelman Ave.
Lomita, CA 90717
(213) 325-3055

**PRODUCT DESCRIPTION:** ACS Medicom Computer System is a complete system for communication, environmental control and computer access based on two IBM PCs. The PCs are connected as a parallel system and allow access to all IBM PC software. Two input systems are provided: voice and switch/body movement. The voice input system allows the user to create vocabularies which the computer will recognize and accept. The switch/body movement output system allows the user to enter data with a single switch, multiple switches or a joystick. A voice output option reads the screen via a speech synthesizer. With the ACS Medicom Computer System, the user may run standard software, control various appliances with BSR X-10 control modules, dial and talk on the telephone or communicate via computer networks. The system may be used for wheelchair and robotics control. Expansion options are available. Cost varies depending on features. ACS conducts research in rehabilitation technology.

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**PRODUCT: Butler-in-a-box**
VENDOR: MasterVoice
10523 Humbolt Street
Los Alamitos, CA 90720
(213) 594-6581

**PRODUCT DESCRIPTION:** Butler-In-A-Box is a voice-activated environmental control system with speech output. Once the user has trained the Butler to recognize the user's voice and commands, the commands activate various appliances: lights, TV, stereo, etc. Appliances can also be set to turn on or off at particular times. Appliances are activated remotely using BSR X-10 remote control modules. A telephone allows the user to remote-dial, answer and speak on the phone. Butler-In-A-Box can also be programmed to respond vocally and to detect the presence of intruders and request that they identify themselves. The device is equipped to act as a voice input unit for the IBM PC as well. Various appliance control units (lamp control, thermostat control, etc.) are available at extra cost. A backup copy of the Butler's memory can be stored on disk on a microcomputer.

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**PRODUCT: Control 1**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** Control 1 is an environmental control unit with eight control receptacles that operates various electrical devices and a telephone. Control 1 operates any telephone (including speakerphones, cordless phones and handsets mounted on a gooseneck) and stores up to ten phone numbers. Control 1 may be controlled by a dual switch, a communication aid or a microcomputer. If desired, the user may customize software to operate the Control 1. The device may also be used to control data output to a computer. Eight control receptacles are included and, with optional control modules (extra), the user may control up to 256 devices. Options include Television Channel Selector (factory modification may be required for some TVs) and Call Signal 2. Additional options and adapters are available.

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**PRODUCT: EyeTyper Model 300**
VENDOR: Sentient Systems Technology Inc.
5001 Baum Blvd.
Pittsburgh, PA 15213
(412) 682-0144

**PRODUCT DESCRIPTION:** EyeTyper Model 300 is an electronic keyboard and portable communication aid controlled by eye gaze. The device is placed 11" in front of the user's eyes. The user then selects letters, numbers or commands by gazing at the appropriate positions. Longer units may be typed using two-gaze combinations. Vocabulary may be programmed by the user with the eyes, from an external keyboard or by loading from disk. Text is displayed on a 40-character LCD display and spoken by a built-in speech synthesizer. Overlays may be purchased or custom-made. Options include a printer, an external display and an external keyboard for programming vocabulary. A built-in keyboard emulating interface is provided, permitting the EyeTyper to be used as an alternate computer keyboard or to run an environmental control system.

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**PRODUCT: FreeWheel Head Pointing System**
VENDOR: Pointer Systems Inc.
One Mill Street
Burlington, VT 05401
(800) 537-1562 (802) 658-3260

**PRODUCT DESCRIPTION:** The FreeWheel Head Pointing System provides computer access for people whose disabilities prevent them from using their hands on a regular keyboard. An optical pointer provides control of a special cursor, plus menu selection capability. The keyboard appears as a visual image, placed over the screen display. The system allows a person to move a cursor around a monitor screen by using head motion. The reflector may be placed where movement is best with the camera positioned accordingly. The optical camera has a standard input jack which makes it compatible with any stock input switch. The visual keyboard can be "dragged" to any position on the monitor and can disappear on command. A "common word" feature completes words to speed up data entry. FreeWheel can be used for environmental control purposes (lights and appliances) with the X-10 Powerhouse. Applications include word processing, spreadsheets, data communications, desktop publishing, CAD/CAM and programming.

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**PRODUCT: Home Automation Link (HAL-ES)**
VENDOR: Voice Connection
17835 Skypark Circle - Suite C
Irvine, CA 92714
(714) 261-2366

**PRODUCT DESCRIPTION:** Home Automation Link (HAL-ES) is a multitasking PC system controlled entirely by voice. The complete voice-controlled IntroVoice VI (500 words) system allows a person to operate the computer, including word processing, electronic spread sheets, database management, programming, computer-aided drawing (CAD/CAM and AUTOCAD or VERSACAD by voice - no mouse). The ability to bypass or augment keyboard operation of the computer is a significant capability by voice, used in learning, access, environmental control and communications. Two programs operate simultaneously: the environmental program runs in background memory and the working program in foreground memory, allowing a user to work and control the computer at the same time. IntroVoice VI is a speech recognition/synthesis card which converts spoken words into commands or data. Multiple key data entry can be controlled by the spoken word, allowing the disabled to run word processing by "speaking out". IntroVoice V can be housed in an IBM AT or XT hooked up to BSR, a Rogers PC Monitor Board, a 32 Relay Control Board and modems.

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**PRODUCT: Hot Line**
VENDOR: General Information Inc.
401 Park Place - Suite 305
Kirkland, WA 98033
(206) 828-4777

**PRODUCT DESCRIPTION:** Hot Line is an electronic telephone directory and automatic dialer with over 2,000 phone numbers of major companies, government agencies and institutions. It also allows users to add up to 45,000 personal numbers. Hot Line can be used with a modem to place local, long distance, international and credit card calls and has a pop-up speed dialer for important numbers.

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**PRODUCT: LIAISON**
VENDOR: DU-IT Control Systems Group Inc.
6765 Township Road #513
Shreve, OH 44676
(216) 567-2906

**PRODUCT DESCRIPTION:** LIAISON is a spinal-cord-injured independent computer work-station for high-level spinal-cord-injured quadriplegic children and adults. Using a DU-IT wheelchair system and a LIAISON, the user can, without assistance, approach the computer and via infrared remote turn it on; run any program and enter data; graphically position as with a mouse, tablet or joystick; concurrently use the telephone; and operate other peripheral accessories. It also operates with Environment Control Functions and may be operated as a stand-alone accessory.

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**PRODUCT: Lifestyle Personal Communicator**
VENDOR: Garid Inc.
10180 Viking Dr.
Eden Prairie, MN 55344
(612) 941-5464

**PRODUCT DESCRIPTION:** The Lifestyle Personal Communicator, a two-way communication device for people with speech impairments, incorporates a voice synthesizer, connects to telephones to communicate with computers, TDDs/TTYs and has a changeable 253 message memory. Pocket size and weighing 18 ounces, the voice synthesizer speaks to listening people over the phone or in person, has a 1700 word vocabulary, can pre-record messages and has the capability for voice synthesis when words are spelled out. It records messages from computers, TDDs and TTYs; indicates busy signal, ringing or response; and dials phone numbers from memory. It signals incoming calls by alarm, vibrator or flashing light. The word processing function allows many words and phrases to be typed with one keystroke and saves messages in memory for transmission later. The device has clock, calendar and calculator functions. It has a 40 character liquid crystal display with .33 inch character height.

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**PRODUCT: Light Talker**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** Light Talker is an electronic communication aid with synthesized speech output and optional printer or keyboard emulating output. Selection can be direct with an optical head pointer or by scanning with switches (extra). Automatic scanning (single switch), row-and-column scanning (dual switch), directed scanning (multiple switches) and Morse Code (two or three switches) are all possible. The Light Talker can be used with either Express or Minspeak firmware. Express allows vocabulary to be stored using the following techniques: levels (128 locations on each of 99 levels), abbreviation expansion and number encoding. Minspeak allows vocabulary to be stored by abbreviation expansion or semantic compaction. Light Talker can also operate an environmental control system. Options for Light Talker include an external printer, a keyboard emulating interface that works with the IBM PC and kits for converting the keyboard to 8 or 32 positions, rather than the usual 128.

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**PRODUCT: Smarthome I**
VENDOR: CyberLYNX Computer Products Inc.
2885 E. Aurora Ave. - Suite 13
Boulder, CO 80303
(303) 444-7733 303/444-9062FAX

**PRODUCT DESCRIPTION:** Smarthome, an environmental control and alarm system, controls appliances or a telephone and up to sixteen sensor/transmitters via VHF radio transmission and sixteen control modules via powerline carrier. Smarthome automatically sends telephone messages in emergency situations. The system may be controlled by time of day, entry to a computer, a handheld transmitter or a personal emergency transmitter. Smarthome can be controlled by an IBM computer with an RS-232 interface.

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**PRODUCT: Touch Talker**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** Touch Talker is a portable electronic communication aid offering synthesized speech output and optional printer or keyboard emulating output. Selections are made by pushing keys on the membrane keyboard. Messages may be viewed on an LCD display before being spoken. The Touch Talker may be used with Express or Minspeak Firmware. Express firmware allows vocabulary to be stored and recalled using the following techniques: levels (128 locations on each of 99 levels), abbreviation expansion and number encoding. Minspeak firmware allows vocabulary to be stored and recalled by semantic compaction. Touch Talker can also operate an environmental control system; options include an external printer, a keyboard emulating interface compatible with the IBM PC and kits for converting the keyboard to 8 or 32 positions (rather than 128).

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**PRODUCT: Wireless Data Transmission System**
VENDOR: Prentke Romich Company
1022 Heyl Rd.
Wooster, OH 44691
(800) 642-8255 (216) 262-1984

**PRODUCT DESCRIPTION:** Wireless Data Transmission System, a portable transmitter and stationary receiver, transmits ASCII output from a PC or communication aid to a stationary computer or environmental control system. The small portable transmitter connects to the portable input device (computer or communication aid) and transmits output via radio waves to a stationary transmitter connected to the computer or environmental control system. The transmitter unit receives power from the portable input device, and the receiver gets power from the host stationary device. Various portable input devices and various stationary computers or environmental controls work with the Wireless Data Transmission System.

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**PRODUCT: X-10 Home Contorl Interface**
VENDOR: X-10 (USA) Inc.
185A LeGrand Ave.
Northvale, NJ 07647
(201) 784-9700

**PRODUCT DESCRIPTION:** X-10 Home Control Interface is a system for remote appliance control using an IBM PC (not included). The system includes software. The interface does not tie up the computer.

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## Alternatives to Printed Documentation

This section provides the names of vendors or organizations who produce software and hardware documentation for persons needing documentation in other than printed format.

**PRODUCT: 1-2-3 Learning Disk**
VENDOR: Hands-On Learning Corporation
27 Cambridge Street
Burlington, MA 01803
(800) 537-0040

**PRODUCT DESCRIPTION:** This is a training product for Lotus 1-2-3 that provides instruction to user. An alternative to the application's documentation and tutorial material.

---

**PRODUCT: Audio Cassette Tapes**
VENDOR: Recording for the Blind
20 Roszel Rd.
Princeton, NJ 08540
(800) 221-4792 (609) 452-0609

**PRODUCT DESCRIPTION:** Audio cassette library of technical documentation for hardware and software. Many IBM technical publications have been recorded including the "User's Guide to Disk Operating System Version 3.30" and the "Guide to Operations for the IBM PS/2 Model 30."

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**PRODUCT: Audio Cassette Tapes**
VENDOR: Massachusetts Association for the Blind
200 Ivy Street
Brookline, MA 02146
(800) 682-9200 (617) 738-5110

**PRODUCT DESCRIPTION:** An audio cassette library of technical documentation for hardware and software including tutorial on the IBM Filing Assistant.

---

**PRODUCT: Audio Cassettes**
VENDOR: Talking Computers Inc.
6931 North 27th Rd.
Arlington, VA 22213
(703) 241-8224

**PRODUCT DESCRIPTION:** Audio cassette training products developed specifically for the visually-impaired computer user. Several different products are available, including sets of cassettes for both DOS and WordPerfect.

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**PRODUCT: Audio Cassettes**
VENDOR: FlipTrack Learning Systems
999 Main St. - Suite 200
Glen Ellyn, IL 60137
(800) 222-FLIP (312) 790-1117

**PRODUCT DESCRIPTION:** Audio cassette training materials for various software and hardware products, including WordPerfect, dBase III, Lotus 1-2-3, Microrim RBase, MultiMate Advantage II.

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**PRODUCT: BookManager**
VENDOR: IBM Corporation
Contact Local IBM Branch Office
(800) 426-3333

**PRODUCT DESCRIPTION:** IBM BookManager is an online book product consisting of two programs, READ and BUILD. READ helps users view online information, track topics, take electronic notes and mark a place to return to later. BUILD converts source files for printed books into online books. Used with screen reading products, this program makes more information available to blind users. Users with mobility problems can also use BookManager to increase efficiency in accessing more sources of information.

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**PRODUCT: Boston Doc**
VENDOR: Boston Documentation Design Inc.
125 Adams St. - Suite 301
Newton, MA 02158
(617) 965-5300

**PRODUCT DESCRIPTION:** Disk-based reference guides for Lotus 1-2-3 and MS-DOS. With Boston Doc running in the background, a user can switch back and forth between the user's guide and the application program. Key terms on each screen are cross-referenced, allowing users to continue to learn more about a certain command or function by passing to another screen with a few keystrokes. MS-DOS is described in 250 screens, and Lotus 1-2-3 in 360 screens. Available in 5.25" and 3.5" diskette format.

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**PRODUCT: Cassettes**
VENDOR: Bible Alliance Inc.
P.O. Box 621
Bradenton, FL 34206
(813) 748-3031

**PRODUCT DESCRIPTION:** This group provides free Bible cassettes for the blind and vision-impaired. 28 languages are available.

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**PRODUCT: Cassettes**
VENDOR: Recording for the Blind
20 Roszel Rd.
Princeton, NJ 08540
(800) 221-4792 (609) 452-0609

**PRODUCT DESCRIPTION:** Expertly-taped materials provided free of charge to registered members.

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**PRODUCT: DOS Help!**
VENDOR: Flambeaux Software
1147 E. Broadway - #56
Glendale, CA 91205
(818) 500-0044

**PRODUCT DESCRIPTION:** Online help for DOS. Standard DOS manual explanations and examples. Additional information can be obtained by selecting from highlighted key phrases on each help screen. It can be run from the command line or made resident. Package includes a tutorial.

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**PRODUCT: DOS-Helper**
VENDOR: Aristo Computers Inc.
6700 SW 105th Ave. - Suite 307
Portland, OR 97005
(800) 3ARISTO (503) 626-6333

**PRODUCT DESCRIPTION:** This online help system for DOS 2.0 to 3.2 covers all DOS and debug commands and most other topics in DOS manual. Both standard and RAM-resident versions are included. Users may easily add their own help files (may be used as a general help system).

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**PRODUCT: DS Tutor**
VENDOR: Design Software
1275 W. Roosevelt Rd.
West Chicago, IL 60185
(312) 231-4540

**PRODUCT DESCRIPTION:** DS Tutor is a DOS tutorial which opens with a brief overview of the computer's hardware, such as the keyboard, disk drives and video monitor. It continues with "DOS Overview," "DOS Command Line" and "DOS Transient Commands."

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**PRODUCT: Easy DOS 3.2**
VENDOR: Easyware Software Development Corporation
940 East 7th Place
Mesa, AZ 85203
(602) 969-7957

**PRODUCT DESCRIPTION:** This software provides online help with any PC-DOS command as well as lessons on how to use them.

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**PRODUCT: Help-Me With DOS**
VENDOR: P&B Computer Services
P.O. Box 70531
Bellevue, WA 98007
(206) 641-7390

**PRODUCT DESCRIPTION:** Help-Me With DOS is a DOS tutorial which offers users a reference guide to more than 40 DOS commands and error messages. It includes definitions, applications, variations and examples. The program is available for free on selected bulletin boards, through shareware houses and directly from the company.

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**PRODUCT: How to Operate the IBM PS/2**
VENDOR: FlipTrack Learning Systems
999 Main St. - Suite 200
Glen Ellyn, IL 60137
(800) 222-FLIP (312) 790-1117

**PRODUCT DESCRIPTION:** This audio cassette course teaches how to operate the PS/2 keyboard, hard disk and PC DOS. It includes four two-hour cassettes and an indexed reference guide that recaps the taped procedure.

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**PRODUCT: How to Use Displaywrite 4**
VENDOR: FlipTrack Learning Systems
999 Main St. - Suite 200
Glen Ellyn, IL 60137
(800) 222-FLIP (312) 790-1117

**PRODUCT DESCRIPTION:** An interactive course on four audio cassettes. This course takes the first-time user of the DisplayWrite 4 word processing progam step-by-step through creating, editing, formatting, printing and merge printing a variety of documents. The learner masters all essential word processing procedures and learns to use special features such as the notepad, cursor draw, outlining, doing footnotes spell checking and keystroke programming.

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**PRODUCT: IBM DisplayWrite 3 Learning Disk**
VENDOR: Hands-On Learning Corporation
27 Cambridge Street
Burlington, MA 01803
(800) 537-0040

**PRODUCT DESCRIPTION:** This training product for IBM DisplayWrite 3 provides instructions and is an alternative to the application's documentation and tutorial material.

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**PRODUCT: Multimate Learning Disk**
VENDOR: Hands-On Learning Corporation
27 Cambridge Street
Burlington, MA 01803
(800) 537-0040

**PRODUCT DESCRIPTION:** This training product for Multimate provides instructions and is an alternative to the application's documentation and tutorial material.

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**PRODUCT: On-line Books**
VENDOR: Computerized Books for the Blind
33 Corbin Hall
University of Montana
Missoula, MT 59812
(406) 243-5481

**PRODUCT DESCRIPTION:** Computerized Books for the Blind (CBFB) is a nonprofit organization devoted to providing written information in computer-accessible format to disabled persons. CBFB accepts requests from registered members and attempts to provide the written material in computer format compatible with the individual member's equipment. Current titles include computer-related texts, Borland manuals, Microsoft's manuals and IBM Manuals.

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**PRODUCT: Online Documentation**
VENDOR: IBM Corporation
Contact Local IBM Branch Office
(800) 426-3333

**PRODUCT DESCRIPTION:** IBM provides some of its publications in machine readable form for persons with disabilities. The publications are provided on a user-supplied 6250 BPI tape or 3480 cartridge. More information about the products and what titles are available is provided by your local IBM branch office.

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**PRODUCT: TECH Help!**
VENDOR: Flambeaux Software
1147 E. Broadway - #56
Glendale, CA 91205
(818) 500-0044

**PRODUCT DESCRIPTION:** This online help tool for DOS gives programmers an encyclopedia of details from the DOS and hardware Technical Reference manuals and other sources. It describes DOS interrupts and functions, file headers, switch settings, video attributes, I/O control, differences between DOS versions and more. It runs from the command line or is resident.

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**PRODUCT: Text Scanning**
VENDOR: Media Conversion Corporation
320 North Michigan Ave. - Suite 1202
Chicago, IL 60601
(312) 346-0102

**PRODUCT DESCRIPTION:** Text scanning to disk or tape. Typed or typeset documents converted to any disk or tape format. Books, directories, catalogs, photocopy printouts, etc. Also disk and tape conversion to most computer systems.

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**PRODUCT: Text Scanning**
VENDOR: 1st Run Computer Services
1261 Broadway - Suite 508
New York, NY 10001
(212) 779-0800

**PRODUCT DESCRIPTION:** Text scanning provided by user sending a document to this company. OCR text scanning to disk in Wordstar, Multimate, DisplayWrite, Word Perfect, ASCII and others. Scanning of typeset books, manuals, publications, 6-24 point including roman and italic. Disk/tape conversions (bi-directional from PC, WP, 9-track tape and CP/M-DOS).

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**PRODUCT: WordPerfect Learning Disk**
VENDOR: Hands-On Learning Corporation
27 Cambridge Street
Burlington, MA 01803
(800) 537-0040

**PRODUCT DESCRIPTION:** This training product for WordPerfect provides instructions and is an alternative to the application's documentation and tutorial material.

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**PRODUCT:** WordPerfect Manual on Diskette
VENDOR: WordPerfect Corporation
266 W. Center Street
Orem, UT 84057
(801) 227-4020 (801) 225-5000

**PRODUCT DESCRIPTION:** WordPerfect is a word processing package for DOS. The printed manual for this product is also available on diskette and therefore accessible to disabled individuals.

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## Word Processing

Word processing products are probably the most commonly used micro- computer software. There are hundreds of types to choose from, with a wide range of prices and functions. Products which accommodate a disability in some way are included in this list. A product which provides synthesized speech output during or after key entry assists the visually impaired. Another example would be a product for the mobility impaired which would improve their laborious key entry process by "guessing" the word or phrase after just a few letters are entered. And, of course, many word processing products today include spelling checkers - a function helpful to all users.

**PRODUCT: 1-2-3 Learning Disk**
VENDOR: Hands-On Learning Corporation
27 Cambridge Street
Burlington, MA 01803
(800) 537-0040

**PRODUCT DESCRIPTION:** This is a training product for Lotus 1-2-3 that provides instruction to user. An alternative to the application's documentation and tutorial material.

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**PRODUCT: Bank Street Storybook**
VENDOR: Mindscape Inc. - Education Division
3444 Dundee Rd.
Northbrook, IL 60062
(312) 480-7667

**PRODUCT DESCRIPTION:** This word processor helps students to create dynamic stories with animated illustrations. It helps children develop their writing skills while they practice their keyboarding and learn to use a word processor. This program works with Touch Window.

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**PRODUCT: Bank Street Writer III**
VENDOR: Scholastic Software
730 Broadway - dept. JS
New York, NY 10003
(800) 325-6149

**PRODUCT DESCRIPTION:** This word processor, designed for grades 2-12, is similar to Bank Street Writer Plus, but packaged primarily for schools. Its objectives are to improve writing and editing skills by making writing easier and more rewarding; to facilitate the writing process through prewriting, writing and revision; and to teach word processing as an important computer application. It provides a fully integrated 60,000-word spelling checker, an online 50,000-word synonym thesaurus and pull-down help menus.

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**PRODUCT: Bank Street Writer Plus**
VENDOR: Broderbund Software Inc.
17 Paul Dr.
San Rafael, CA 94903
(800) 527-6263 (415) 492-3200

**PRODUCT DESCRIPTION:** Bank Street Writer Plus is an easy-to-use, nontechnical word processor developed by educators for children or adults of any age. This product is similar to Bank Street Writer III, except that it is packaged for home use rather than school use.

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**PRODUCT: BEX**
VENDOR: Raised Dot Computing
408 South Baldwin St.
Madison, WI 53703
(608) 257-9595

**PRODUCT DESCRIPTION:** BEX creates large-print output on the screen and on suitable dot matrix printers. Screen display is available in 80-, 40-, 10- and 5-column sizes. BEX converts to Grade 2 Braille and supports Braille output to every Braille embosser and device on the market. BEX back-translates Grade 2 Braille files to print and is a fully functional word processor.

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**PRODUCT: Cacti Word Processor**
VENDOR: Cacti Computer Services
130 9th Street SW
Portage la Prai
Manitoba, R1N 2N4
Canada
(204) 857-8675

**PRODUCT DESCRIPTION:** Cacti Computer Services will write custom software for IBM computers if a disabled person is unable to find appropriate software for a particular purpose. One program is a simple word processor which operates without the requirement of using multiple keys (e.g., control-P) for some functions. It performs many basic word processing functions (save, load, insert, delete), but does not perform fancier functions such as block moves. Everything is controlled with single keystrokes.

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**PRODUCT: DisplayWrite 4**
VENDOR: IBM Corporation
Contact local IBM Authorized PC Dealer
(800) 426-2468

**PRODUCT DESCRIPTION:** IBM DisplayWrite 4 is a full-function, menu-driven word processor with all the functions of DisplayWrite 1,2 and 3. DisplayWrite 4 includes a new, streamlined user interface with an extensive HELP facility; enhanced document creation, revision and editing capabilities and enhanced data import; and voice/audio support, document interchange and print support. Designed for ease of use, IBM DisplayWrite 4 also features an optional mouse-printing device, a direct link to the IBM System/36, revision marking capability and notepad and paperclip functions. System requirements: PC, PC XT, PPC, DOS 2.1; PC AT, DOS 3.2, 384K.

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**PRODUCT:** Eureka A4
VENDOR: Robotron Pty. Ltd.
16/564 St. Kelda Road
Melbourne, 3004
Australia
(613) 525-1377

**PRODUCT DESCRIPTION:** A 3-pound Braille input stand-alone computer with an RS-232 serial port. The computer has 64K of RAM and uses a 3.5" disk drive for storing information. The Eureka A4 runs on rechargable batteries and features a word processor, database, notepad and scientific calculator. This unit has VT-100 terminal emulation capabilities and can act as a talking thermometer and volt meter. The Eureka A4 can be interfaced with an IBM PC such that it can take the place of a traditional speech synthesizer.

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**PRODUCT:** Font Magic
VENDOR: Washington Computer Services
2601 North Shore Road
Bellingham, WA 98226
(206) 734-8248

**PRODUCT DESCRIPTION:** Font Magic permits a selection of type style and size for text displayed by DOS or other application programs, such as word processors, spread sheets and databases. Font style, size, color and spacing options may be selected to suit individual needs. When operating programs in normal text mode, you use the "zoom" key to interrupt the application program and enlarge the display for easy viewing. A simple word processer is supplied, plus a print utility for making hard copy of text files in large text. Supports new IBM PS/2 family as well as CGA, EGA with any model of IBM PC, DOS 2.1 or higher, IBM Proprinter or equivalent. Additional fonts available, priced separately.

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**PRODUCT:** Freedom Writer
VENDOR: World Communications
501 Glenmoor Circle
Milpitas, CA 95035
(408) 262-2870

**PRODUCT DESCRIPTION:** Freedom Writer is a word processor specifically designed for individuals with disabilities. It can be operated entirely with an "on screen keyboard" and pointing devices such as a mouse, light pen or joystick or a single key from the computer keyboard. All steps involved from writing, editing and printing are handled with minimum effort. The user has instant access to the most commonly used words. In addition to 12,000 fixed words, the user can store up to 5000 words and up to 200 phrases. The Freedom Writer may be used to write computer programs as well as documents. It has all the standard word processing features such as block move, block copy, underlining, heading and footing. Memory requirements are 192 K. The vendor may be contacted for a free demonstration disk.

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**PRODUCT:** How to Use Displaywrite 4
VENDOR: FlipTrack Learning Systems
999 Main St. - Suite 200
Glen Ellyn, IL 60137
(800) 222-FLIP (312) 790-1117

**PRODUCT DESCRIPTION:** An interactive course on four audio cassettes. This course takes the first-time user of the DisplayWrite 4 word processing progam step-by-step through creating, editing, formatting, printing and merge printing a variety of documents. The learner masters all essential word processing procedures and learns to use special features such as the notepad, curser draw, outlining, doing footnotes spell checking and keystroke programming.

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**PRODUCT:** IBM Personal Computer Touch Typing for Beginners
VENDOR: IBM Educational Systems
Available through Certified
Education Specialist
(800) 222-7257

**PRODUCT DESCRIPTION:** IBM Personal Computer Touch Typing for Beginners teaches typing skills and help students improve them. The lessons and exercises teach typing technique and provide practice for every letter and numeral. Especially recommended for grades 3-8, Touch Typing may be used by anyone to improve basic typing skills. Touch Typing conveys information in manageable parts, allowing each skill to be developed individually. Thirteen progressive lessons use graphics to introduce touch typing, while emphasizing correct finger placement. Real language is stressed rather than nonsense syllables.

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**PRODUCT:** Inline
VENDOR: Compusense
55 Constitution Dr.
Bedford, NH 03102
(603) 472-2088

**PRODUCT DESCRIPTION:** An outliner which offers tools for entering, editing, moving and changing the order of outline entries. It aids the user in unscrambling all the ideas and facts on a particular subject so that they can be set in order. Inline is word processing compatible and can be used to generate business proposals, reports, and shopping list.

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**PRODUCT:** Keyboard
VENDOR: Regents Publishing Company
Two Park Ave.
New York, NY 10016
(800) 822-8202 (212) 889-2780

**PRODUCT DESCRIPTION:** This is a touch typing program that can be used either in English or Spanish.

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**PRODUCT:** KeySpell
VENDOR: HumanWare Inc.
6140 Horseshoe Bar Rd. - Suite P
Loomis, CA 95650
(916) 652-7253

**PRODUCT DESCRIPTION:** A spelling checker for use with the Keynote PC, it comes with a 50,000-word dictionary and allows user additions. This program will automatically offer alternative spellings and make editing changes associated with spelling corrections.

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**PRODUCT:** Keyworks
VENDOR: Alpha Software Corp.
1 North Ave.
Burlington, MA 01803
(617) 229-2924

**PRODUCT DESCRIPTION:** Keyworks is a memory-resident keyboard macro enhancer that allows the user to record a complex series of keystrokes within any application program and play the entire series back with one keystroke. Keyworks also offers pop-up menus of available macros, full screen editing of macros while running another program and a DOS window. Text screens - useful in defining customized help - are easy to create. The original screen is automatically saved and restored on exiting the text screen. Macros can send control codes to the printer. In the course of running a macro, a pause can be defined in which the user enters data or gives commands directly to the application. Macros are saved as ordinary DOS text files that can be altered by any text editor. Keyworks 3.0 replaces 2.0 as Alpha Software's entry level product. 3.0 highlights include: abbreviation expansion with quick bypass, a quick macro recording key, longer macro descriptions and comments and improved EGA and EMS support. Keyworks advanced version builds on the features in 3.0 by adding a powerful programming language allowing macros to read the screen and branch to other macros.

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**PRODUCT:** Magic Fingers
VENDOR: Words Plus
P.O. Box 1229
Lancaster, CA 93534
(805) 949-8331

**PRODUCT DESCRIPTION:** Magic Fingers is an abbreviation expansion software program that increases keyboard speed and accuracy and eliminates the need to type often-used words and phrases. Abbreviation expansion allows the user to define up to 500 abbreviations per disk or directory. When the abbreviation is typed, Magic Fingers automatically replaces it with the expanded form of the word or phrase. For example, "tyfyi" can indicate "thank you for your interest." Abbreviations may be up to 8 characters long and can include letters, numbers and some symbols. This utility can be used in word processing, programming languages, forms entry, databases and other software in which the same terms are often typed repeatedly. Additional features include fast cursor for setting the keyboard repeat rate faster or slower, extended keyboard buffer for typing ahead up to 300 characters, audible key click if desired, screen saver which blanks the screen after 1 - 9 minutes of no keyboard activity, privacy pop-up screen, system date and time and password lockout.

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**PRODUCT:** MindReader
**VENDOR:** Brown Bag Software
2155 S. Bascom Ave.
Campbell, CA 95008
(800) 523-0764 (800) 323-5335

**PRODUCT DESCRIPTION:** Mindreader uses Artificial Intelligence to create a word processing system with practical business writing tools. One of the features is Wordcomplete which guesses at the word the user is entering based on the first few letters and provides choices to select from with a single keystroke rather than finishing the word or phrase. The user can customize the word and phrase list. In addition, the program's 2,500 word dictionary tracks the frequency with which the individual uses a word so that the words with the highest frequency are shown in the word-selection window.

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**PRODUCT:** News Master
**VENDOR:** Unison World Inc.
2150 Shattuck Ave. - Suite 902
Berkeley, CA 94704
(415) 848-6666

**PRODUCT DESCRIPTION:** News Master is an IBM PC desktop publishing program for use with dot matrix printers. The News Master screen shows exactly how the document will look when it comes off the printer. This "what you see is what you get" system allows four different page views, with complete editing capabilities. The program incorporates a variety of layout and design options, and the user can choose from 30 type fonts in a number of sizes.

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**PRODUCT:** Productivity Plus (PRD+)
**VENDOR:** Productivity Software International
1220 Broadway
New York, NY 10001
(212) 967-8666

**PRODUCT DESCRIPTION:** Productivity Plus is a memory-resident shorthand program that works with word processing and other programs to increase productivity. The user defines abbreviations (called short forms or macros) for frequently used words and phrases, names and addresses, boilerplate text or programming language statements. As the user types, PRD+ replaces the abbreviations with the full text. In addition to user-defined lists, the program has 20 lists of abbreviations for frequently used or misspelled words, the 50 states, 30 major cities and common business phrases. Also included are lists for the legal and medical professions, Lotus 1-2-3 and dBASE III. There are about twenty versions: for example, the Legal Edition includes 2,600 legal terms. Other professional editions include word lists for such vertical markets as branches of the federal government, Wall Street and construction.

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**PRODUCT: Q & A**
VENDOR: Symantec Corporation
10201 Torre Avenue
Cupertino, CA 95014
(800) 441-7234 (800) 626-8847

**PRODUCT DESCRIPTION:** An integrated word processor and file management product with an intellegent assistant capability. Q & A contains many advanced functions including spell checking, keyboard macros, data base search, filing and report creation.

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**PRODUCT: Rough Draft**
VENDOR: Regents Publishing Company
Two Park Ave.
New York, NY 10016
(800) 822-8202 (212) 889-2780

**PRODUCT DESCRIPTION:** This is a comprehensive word processor that also processes writing exercises for teaching writing.

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**PRODUCT: Trine System**
VENDOR: Adaptive Communication Systems
354 Hookstown Grade Rd.
Clinton, PA 15126
(412) 264-2288

**PRODUCT DESCRIPTION:** The ACS Trine System is a three-function communication aid, serving as a portable electronic notebook, a communication aid with printed or synthesized voice output and an alternate input to a general purpose computer. The function can be changed with a single keystroke. The system is based on the Epson HX-20 PC and is equipped with a standard keyboard, an 80-character LCD display, a built-in strip printer, an optional speech synthesizer and the Trine software and documentation. Text can be composed in six word spaces, each holding up to 55 20-character lines and retaining their memory when the power is off. Text can be reviewed on the display and can be spoken (optional), printed or stored on microcassette. Programs for abbreviation expansion (QuicKey) and single-finger operation are provided. The keyboard emulating interface complies with the industry standard for KEIs. The RealVoice is not available for the Trine System.

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**PRODUCT: Turbo Lightning**
VENDOR: Borland International
1800 Green Hills Rd.
Scotts Valley, CA 95066
(408) 438-8400 408/438-0389FAX

**PRODUCT DESCRIPTION:** This background spelling checker proofreads while you are in type or review mode. Turbo Lightning includes the 80,000-word Random House Concise Dictionary and a thesaurus and is designed for use with word processors or spreadsheet products. Any kind of electronic reference work can be instantly accessed by Turbo Lightning: encyclopedias, zip code directories, magazine articles, etc. This program runs online and "pops-up" when needed.

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**PRODUCT:** Viewscan Text System
VENDOR: HumanWare Inc.
6140 Horseshoe Bar Rd. - Suite P
Loomis, CA 95650
(916) 652-7253

**PRODUCT DESCRIPTION:** The Viewscan Text System is a combination electronic large print display and portable computer. The computer is a modified Epson HX-20, with a standard size 80-character LCD display and small built-in printer. The LCD is used only for display of the opening menu and does not function when operating the Viewscan Text System. A small hand-held camera is passed across a written text, and the text scanned by the camera appears on the large print display in letters up to 3" high. Text created and edited on the portable computer can also be viewed on the large-print display. The system has a built-in calculator and word processing functions. If only reading of printed text is desired, the large print display unit and miniature camera can be used separately from the computer. Various hardware and software packages are available for the Viewscan Text System, including programs for word processing, database management and spread sheets. Systems are also available that allow the VTS to be used as a keyboard for the IBM PC or a terminal for an IBM mainframe.

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**PRODUCT:** Wordmaster
VENDOR: Proximity
3511 N.E. 22nd Avenue
Fort Lauderdale, FL 33308
(800) 543-3511 (305) 566-3511

**PRODUCT DESCRIPTION:** Wordmaster is an electronic thesaurus that organizes synonyms by meaning. It helps you find a good word that means what you want to say. It offers a list of correct spellings to choose from if your lookup word is misspelled.

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**PRODUCT:** WordPerfect Manual on Diskette
VENDOR: WordPerfect Corporation
266 W. Center Street
Orem, UT 84057
(801) 227-4020 (801) 225-5000

**PRODUCT DESCRIPTION:** WordPerfect is a word processing package for DOS. The printed manual for this product is also available on diskette and therefore accessible to disabled individuals.

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**PRODUCT:** WordStar 2000/H
VENDOR: MicroPro International Corporation
33 San Pablo Avenue
San Rafael, CA 94903
(800) 227-5609

**PRODUCT DESCRIPTION:** This is a special version of WordStar 2000 prepared for persons with disabilities. It has been developed with a "sequential-key" capability for users with problems depressing two keys simultaneously, such as using the Control key and "B" or Shift/A. Requests for this product must be submitted in writing to MicroPro, including appropriate payment and directed to "The Office of the President."

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**PRODUCT: Writing Assistant**
VENDOR: IBM Corporation
Contact local IBM Authorized PC Dealer
(800) 426-2468

**PRODUCT DESCRIPTION:** A high-function word processor suitable for creating a variety of documents - from memos to multi-page reports. Revising documents is easy with insert and overwrite modes; move copy, delete or repeat commands; text centering and left/right justification; and search/replace functions, either automatic or prompted. The document can be reformatted with a few simple commands; emphasis is added by underlining or boldfacing type. Writing Assistant allows text to be printed in color. It gives a total word count; words or phases can be changed throughout without scanning the document from beginning to end. Writing Assistant includes a built-in proofreader that checks spelling using a 125,000-word dictionary.

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# IBM PC Voice Activated Keyboard Utility

The IBM PC Voice Activated Keyboard Utility program uses the voice recognition component of the IBM Personal Computer Voice Communications Option. It allows control of well-behaved IBM PC Application programs through voice commands. Command Vocabularies (called overlays) must be developed for each application. Overlay developers must have DOS familiarity and programming aptitude, as well as knowledge of the application which they wish to drive with voice commands.

## Description

The IBM PC Voice Activated Keyboard Utility works with unmodified well-behaved application programs and provides voice recognition capability for commands and data input for these application programs. The spreadsheet or other application program a user is already using were not designed for voice control. The IBM PC Voice Activated Keyboard Utility works with these applications by turning spoken commands into keystrokes which are sent to the program. The program receives these keystrokes as if they had been typed at the keyboard and executes the keystroke sequence accordingly. The application program is not "aware" of IBM PC Voice Activated Keyboard Utility's presence. With the IBM PC Voice Activated Keyboard Utility, an application program can receive input from either spoken commands or typed commands.

Users must provide to the utility the following information to work with application programs:

- The voice commands that may be spoken during execution of the application program
- The associated keystroke sequence of a voice command that is to be sent to the application program
- The rules as to which commands are allowed at a given point in the application program

The IBM PC Voice Activated Keyboard Utility application overlay capability allows creation and loading of application specific command vocabularies for the IBM Personal Computer.

Certain application programs that run on the IBM Personal Computer include a plastic overlay for the keyboard. Such an overlay reminds the user what functions are initiated by specific keys for the application program. Command Vocabularies are called overlays. The IBM PC Voice Activated Keyboard Utility Application Overlay serves in a similar role as this plastic overlay, but for voice commands. The user may request IBM PC Voice Activated Keyboard Utility to display a list of voice commands to be spoken.

In addition, the IBM PC Voice Activated Utility application overlays include "grammar" support. "Grammar" provides rules about which voice commands are allowed at a given point within the application program. For instance, a spreadsheet program might have a list of over 150 commands, functions and options. However, at a given point within that spreadsheet, perhaps, only some of these are considered "legal" commands, functions and options.

Once an application program and its respective IBM PC Voice Activated Keyboard Utility application overlay are installed on the IBM PC, the user trains IBM PC Voice Activated Keyboard Utility to the user's speech patterns for the vocabulary words in the overlay. IBM PC Voice Activated Keyboard Utility includes a training interface for this purpose.

Users may gain temporary control of the display and keyboard and may invoke IBM PC Voice Activated Keyboard specific functions such as:

- Train new commands
- Retrain old commands
- Define new command names and associated keystroke sequences
- Edit command names and associated keystroke sequences

The IBM PC Voice Activated Keyboard Utility program diskette contains partial samples of voice command overlays for some IBM programs. These samples are for illustration only and do not imply that these applications will receive productivity improvement from voice commands. They also may not provide the level of vocabulary required by all users of these application programs. The IBM PC Voice Activated Keyboard Utility may be used to customize these vocabularies for individual use applications.

Sample overlays are provides for the following applications:

IBM Assistant Series: Filing Assistant, Reporting Assistant, Writing Assistant, Document Retrieval Assistant; IBM Personal Computer Disk Operating System (DOS); IBM DisplayWrite 2; IBM DisplayWrite 3; IBM Personal Decision Series: Data Edition, Plans + Edition, Plans Edition, Reports + Edition, Words Edition; IBM Personal Computer Multiplan(TM) by Microsoft.

**Highlights**

- Allows creation of voice command overlays for well-behaved applications of your choice
- Especially beneficial for applications where eyes and hand are busy
- Listens to spoken commands through attachment of a microphone or telephone to the IBM PC XT or AT with IBM PC Voice Communications adapter
- Identifies the spoken command and sends the associated keystroke sequence to the application program
- Allows viewing of the voice commands that may be spoken during execution of an application program
- Allows viewing of the associated keystroke sequence of a voice command that is sent to the application program
- Allows use of the interactive training facility

### Customer Responsibilities

The customer is responsible for program setup and operation, implementation of backup procedure and applicable problem determination procedures.

### Specified Operating Environment

### Hardware Requirements

- The IBM PC Voice Communication Options with appropriate telephone connections are required. Part number 6294771.
- IBM Personal Computer XT or AT
- Memory requirement is 215 KB plus that required for IBM DOS and the application being driven
- IBM Color Display with the IBM Color/Graphics Display Adapter or the IBM Monochrome Display with the IBM Monochrome Display and Printer Adapter (the IBM Enhanced Graphics Adapter and IBM Enhanced Color Display are supported with enhanced test mode)
- One double-sided (360KB) diskette drive and fixed disk

### Software Requirements

- IBM PC Voice Activated Keyboard Utility - part number 6280742 and the product number 6280742
- IBM PC Disk Operation System (DOS) Version 2.1 or higher
- IBM PC Voice Communications Operating Subsystem. This is included in the IBM Personal Computer Voice Communication Options
- This utility is not compatible with DOS system extensions (such as TopView or the PC network 3270 Program) that interrupt normal BIOS or DOS keystroke datastream buffer operations

### Other Software

Additional software may work with the IBM PC Voice Communication Option (hardware):

Voice/Phone Assistant

- High function answering machine with remote password access and control; voice messages with password access to each; remote touch-tone access with transfer to other suitably programmed, user provided applications. Part number 6280741.

Personal Telephone Manager Program

- Phone directory services program with flexible formatting, powerful search capabilities, appointment or call reminders driven by the system clock. Part number 1642004.

Augmented Phone Services

- An aid for hearing and/or speech impaired persons to use an IBM PC to conduct phone conversations with hearing persons at touch-tone phones. The IBM PC also acts as an answering machine to store touch-tone keyed messages as text. Part number 6280740.

**Notes:** Microphones, speakers, telephone, telephone lines are modular telephone wall outlets are not part of the IBM PC offering and must be purchased separately. For prices, contact your local IBM branch office.

# Support Groups

## Agencies and Associations

The support groups listed include agencies and professional associations. The information and services provided by these organizations vary widely from distribution of basic fact sheets to sponsorship of research facilities. Most of these organizations use numerous approaches to disseminate information and direct activities toward a diverse audience. Examples of some activities and services provided by these groups include information clearing house; legislative monitoring; peer counseling; sponsorship of conferences, workshops and seminars. Please read the descriptions and contact the groups directly for specific details. (Groups are sorted alphabetically by city within each state.)

State AK

**Alaska Treatment Center**
3710 E. 20th Ave.
Anchorage, AK 99508
(907) 272-0586

Medical rehabilitation services; service delivery program, evaluation, assessment and training.

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State AK

**Alaska Office of Vocational Rehabilitation**
Pouch F MS 0581
State Office Building
Juneau, AK 99811
(907) 465-2814

This center offers counseling, social work, pre-vocational training, placement and computer access.

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State AL

**Workshops Inc.**
4244 Third Ave. South
Birmingham, AL 35222
(205) 592-9683

This center offers work adjustment and vocational training.

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State AL

**Easter Seals Occupational Rehabilitation Center**
1616 Sixth Ave. South
Birmingham, AL 35233
(205) 939-5800

This Center helps provide counseling, vocational evaluation and employability development services to disabled individuals which will maximize independent living skills and assist in rehabilitation services.

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State AL

**UCPA of Birmingham**
2430 11th Avenue North
Birmingham, AL 35234
(205) 251-0165

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They will assist eligible users in evaluating appropriate solutions, ordering, installing and on-going support. They will demonstrate the IBM Personal System/2 Screen Reader.

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State AL

**Vocation Rehab. & Crippled Children Service**
2129 East South Blvd.
Montgomery, AL 36111-0586
(205) 281-8780

Minimum age 16. Computer access; training on computer aids and devices.

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State AL

**Alabama Division Rehabilitation & Crippled**
2129 East South Blvd.
Montgomery, AL 36111
(205) 281-8780

This division helps people with rehabilitation, education, counseling, computers, health employee counseling and professional training.

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State AL

**Easter Seal Rehabilitation Center of Central Alabama**
2125 East South Blvd.
Montgomery, AL 36199
(205) 288-0240

This center helps with counseling, education, employee evaluation, skill development training, health, professional training and rehabilitation.

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State AR

**Rehabilitation Services Division**
Department of Human Services
1401 Brookwood Drive, P.O. Box 3781
Little Rock, AR 72203
(501) 371-2571

Counselors coordinate vocational evaluation, counseling, training and placement sevices and can also refer clients to community resources, such as independent living centers.

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State AR

**Arkansas Easter Seal Society**
2801 Lee Avenue
P.O. Box 5148
Little Rock, AR 72225
(501) 663-8331

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for disabled persons. They assist eligible users in evaluating appropriate solutions, ordering, installing and on-going support.

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State AZ

**Harrington Arthritis Research Center**
1600 E. Van Buren
Phoenix, AZ 85006
(602) 254-0377

The center is dedicated to seeking methods to alter arthritis by: defining needs of patients; developing new medical and surgical applications to relieve, treat and improve the quality of life of patients; applying latest technology, educating patients/families; and providing special help to physicians and health professionals.

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State AZ

**Rehabilitation Services Bureau**
Department of Economic Security
1300 West Washington
Phoenix, AZ 85007
(602) 542-3332

Counselors coordinate vocational evaluation, counseling, training and placement sevices and can also refer clients to community resources, such as independent living centers.

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State CA

**World Institute on Disability**
1720 Oregon St.
Berkeley, CA 94703
(415) 486-8314 Voice/TDD

The World Institute on Disability is a public policy center run by persons with disabilities. Its goal is to use research, public education, training and model program development as means to create a more accessible and supportive society for all people - disabled and nondisabled alike.

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State CA

**UCPA of San Diego County (North)**
750 N. Citracado Parkway - Suite D
Escondido, CA 92025
(619) 743-1050

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They will assist eligible users in evaluating appropriate solutions, ordering, demoing and on-going support.

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State CA

**Short Stature Foundation**
P.O. Box 5356
Huntington Beach, CA 92165-5356
(714) 843-1103

This organization provides services, information and advocacy to enhance the positive well being of short statured individuals. Their goal is to make home, school, work and shopping more comfortable. They have created an adaptive device catalogue (non-technical) and provide job training and employment opportunities.

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State CA

**Telecom**
25825 Eshelman Ave.
Lomita, CA 90717
(213) 325-3055

Database information exchange relative to rehabilitation, employment and general related messages.

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State CA

**Clearinghouse Depository for Handicapped Students**
P.O. Box 944272
Sacramento, CA 94244-2720
(916) 445-1290

This group provides specialized instructional material, aids and equipment to students from preschool through college. It records and duplicates textbooks for the visually impaired and provides consultant services to schools serving the visually impaired. It provides people who transcribe into Braille.

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State CA

**Vocational and Occupational Inform. Cntr for Educators**
560 J St. - Suite 385
Sacramento, CA 95814
(916) 445-0401

VOICE assists California vocational education teachers, administrators and students by providing materials, textbooks, curriculum guides and reports of studies. They offer a computerized catalog.

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State **CA**

**California Department of Rehabilitation**
830 K Street Mall
Sacramento, CA 95814
(916) 323-0318

This state agency helps persons with disabilities enter or return to work and live more independently - for persons with physical or mental disabilities who have a reasonable expectation of holding a job after receiving rehabilitation services tailored to their needs.

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State **CA**

**Governor's Committee-Employment of Disabled Persons**
800 Capitol Mall - room 4036
Sacramento, CA 95814
(916) 323-2545

The committee works with community employers throughout California to promote the hiring of disabled persons.

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State **CA**

**UCPA of San Diego County**
3821 Calle Fortunada - Suite C
San Diego, CA 92123
(619) 571-7803

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They will assist eligible users in evaluating appropriate solutions, ordering, installing and on-going support. They are able to demonstrate the Personal System/2 Screen Reader.

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State **CA**

**DPI (Disabled Programmers Inc.)**
6840 Via Del Oro
San Jose, CA 95119
(408) 629-3700 Same for TTY

This educational facility provides comprehensive computer programmer training and custom tailored corporate training seminars and workshops. It also offers a full range of programming services from word processing to program design to equipment selection and installation.

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State **CA**

**Easter Seal of Santa Cruz & Monterey Counties**
621-A Water Street
P. O. Box 626
Santa Cruz, CA 95061
(408) 427-3360

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They will assist eligible users in evaluating appropriate solutions, ordering, installing and on-going support. They are able to demonstrate the Personal System/2 Screen Reader.

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State CA

**Amyotrophic Lateral Sclerosis**
15300 Ventura Blvd. - Suite 315
Sherman Oaks, CA 91403
(213) 990-2150

Publications are available. There are local chapters in many states.

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State CA

**Direct Link for the Disabled**
P.O. Box 1036
Solvang, CA 93463
(805) 688-1603

A nonprofit referral agency, Direct Link maintains listings of more than 10,000 organizations and commuinty-based resource centers for all ages and disabilities.

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State CA

**Micro Abilities**
98 Main St. - Suite 232
Tiburon, CA 94920
(415) 435-2966

This group provides services in the form of a research center, training and diagnostic center.

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State CO

**PEAK Parent Center**
6055 Lehman Dr. - Suite 101
Colorado Springs, CO 80918
(719) 531-9400 (800) 284-0251

PEAK Parent Center delivers quality information and training to parents in Colorado whoe children have disabilities in order that parents may more effectively advocate for their children and improve their quality of life.

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State CO

**National Veterans Training Institute**
University of Colorado at Denver
1250 14th St. - Suite 650
Denver, CO 80202
(800) 331-0562 (303) 892-1712

The National Veterans Training Institute strengthens the national network of Disabled Veterans Outreach Program specialists and Local Veterans Employment Representatives. It was established to provide additional skills and upgrade the professional abilities of those who deliver services to our veterans. Components to the program include the Resource and Technical Assistance Center and the National Veterans Counseling and Guidance Program.

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State **CO**

**Colorado Coalition - Persons with Disabilities**
789 Sherman St. #520
Denver, CO 80203-3532
(303) 863-0113 303-861-2735TDD

Usually called "Committee on Employment of the Handicapped." Works with community employers to promote the hiring of disabled persons.

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State **CO**

**National Stroke Association**
300 East Hampden - Suite 240
Englewood, CO 80110-2622
(303) 762-9922

NSA is a nonprofit organization dedicated to reducing the incidence and effects of stroke through activities related to prevention, medical care, rehabilitation and resocialization.

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State **CO**

**Colorado Easter Seal Society**
5755 West Alameda
Lakewood, CO 80226
(303) 233-1666

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They will assist eligible users in evaluating appropriate solutions, ordering, installing and on-going support. They are able to demonstrate the Personal System/2 Screen Reader. This CSO also maintains a full-service Computer Resource Center to provide information and training for disabled persons, their families and the professionals who work with them.

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State **CO**

**Disability Information & Referral Service**
3805 Marshall St.
Wheat Ridge, CO 80033
(303) 420-2942 800/255-3477TDD

The DIRS provides information about services available to persons with disabilities, their families and support groups. Through a computerized database, DIRS has information from the private sector, government and government-supported agencies.

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State **CT**

**Connecticut Parent Advocacy Center**
5 Church Lane
East Lyme, CT 06333
(203) 739-3089

This statewide organization provides information and support to families of children with disabilites.

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State CT

**Division of Vocational Rehabilitatio**
State Board of Education
600 Asylum Avenue
Hartford, CT 06105
(203) 566-4440

Counselors coordinate vocational evaluation, counseling, training and placement sevices and can also refer clients to community resources, such as independent living centers.

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State CT

**AbleData (Newington CHildren's Hospital)**
181 E. Cedar St.
Newington, CT 06111
(800) 344-5405 (203) 67-5405

Funded by the National Institute on Disability and Rehabilitation Research, AbleData maintains a database with over 15,000 listings of adaptive devices for all disabilities.

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State CT

**Easter Seal Rehab Center of SW Connecticut**
26 Palmer's Hill Rd.
Stamford, CT 06902
(203) 325-1544

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They will assist eligible users in evaluating appropriate solutions, ordering, installing and on-going support. They are able to demonstrate the Personal System/2 Screen Reader.

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State CT

**Governor's Committee-Employment of Disabled**
200 Folly Brook Blvd.
Wethersfield, CT 06109
(203) 566-8061

The governor's committee works with community employers to promote the hiring of disabled persons.

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State DC

**Academy of Otolaryngology-Head & Neck Surgery**
1101 Vermont Ave. NW - Suite 302
Washington, DC 20005
(202) 289-4607

The academy promotes the art and science of medicine related to otolaryngology - head and neck surgery, including providing continuing medical education courses and publications. It distributes patient leaflets relating to ear problems and makes referrals to physicians. Publications: Otolaryngology--Head and Neck Surgery (journal), The Bulletin (newsletter).

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State **DC**

**Mayor's Committee on Handicapped Individuals**
605 G St. NW - Suite 1101
Washington, DC 20001
(202) 727-0924

Usually called "Committee on Employment of the Handicapped," this committee works with community employers to promote the hiring of disabled persons.

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State **DC**

**Sensory Assistance Center**
Department of Justice
10th and Constitution NW
Washington, DC 20530
(202) 633-5104

Training, diagnostic and direct support.

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State **DC**

**American Society of Travel Agents Inc.**
4400 MacArthur Blvd. NW
Washington, DC 20007
(202) 965-7520

This national association publishes "The United States Welcomes Handicapped Visitors," a brochure dealing with disabled travelers visiting the U.S.

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State **DC**

**Clearinghouse on Computer Accommodation (COCA)**
18th and F St. NW - KGD
Washington, DC 20405
(202) 523-1906

Information available concerning accommodations for the following disabilities: vision, mobility, hearing, learning, mental, speech.

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State **DC**

**National Organization on Disability**
2100 Pennsylvania Ave. NW - Suite 232
Washington, DC 20037
(202) 293-5960

Supports over 1700 local volunteers through community partnerships.

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State **DC**

**Paralyzed Veterans of America**
801 18th St. NW
Washington, DC 20006
(202) 872-1300

PVA serves the needs of America's paralyzed veterans through chapters nationwide and in Puerto Rico and is actively involved in spinal cord research, health care, accessibility and sports and recreation programs.

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State DC

**Veterans Admin. Information Technology Center**
810 Vermont Avenue
Washington, DC 20420
(202) 389-5571

Microcomputer training program for persons with disabilities - for Federal employees.

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State DC

**ODPHP National Health Information Center**
P. O. Box 1133
Washington, DC 20013-1133
(800) 336-4797

Established by the Office of Disease Prevention and Health Promotion (ODPHP), the center identifies health information resources, channels requests for information to these resources and develops publications on health-related topics of interest to health professionals, the health media and the general public. The center uses a variety of health information resource materials, a database of health-related organizations and an information referral system.

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State DC

**Rehabilitation Engineering Center**
1901 Pennsylvania Ave. NW - Suite 700
Washington, DC 20006
(202) 955-5822

The center is a research facility funded by the Department of Education to promote the transfer of technology to people with disabilities.

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State DC

**Asthma & Allergy Foundation**
1717 Massachussetts Ave. NW - Suite 305
Washington, DC 20036
(202) 265-0265

Funds available for research. A wide selection of information is available.

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State DC

**Pres. Committee-Employment of Persons w/Disabilities**
1111 20th St. NW - room 660
Washington, DC 20036
(202) 653-5050 202/653-7386FAX

Publications, online computer databank with information on aids and devices. Assistance provided employers concerning job accommodations for persons with disabilities.

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State **DC**

**RESNA**
1101 Connecticut Ave. NW - Suite 700
Washington, DC 20036
202) 857-1199

An interdisciplinary association for the advancement of rehabilitaion and assistive technology.

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State **DC**

**United Cerebral Palsy Associations**
1522 K St. NW - Suite 1112
Washington, DC 20005
(202) 842-1266 (800) USA-5UCP

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They will assist eligible users in evaluating appropriate solutions, ordering, installing and on-going support.

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State **DE**

**Division of Vocational Rehabilitation**
Dept. of Labor - Delaware Elwyn Building
321 East 11th Street
Wilmington, DE 19801
(302) 571-2851

Counselors coordinate vocational evaluation, counseling, training and placement sevices and can also refer clients to community resources, such as independent living centers.

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State **DE**

**Governor's Committee-Employment of Handicapped**
Delaware Elwyn Building
321 East 11th Street
Wilmington, DE 19801
(302) 571-3915

The governor's committee works with community employers to promote the hiring of disabled persons.

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State **FL**

**Microcomputer Education for Employment of Disabled/MEED**
Univ. of Miami School of Continuing Studies
P. O. Box 248005
Coral Gables, FL 33124
(305) 284-2025

MEED is a comprehensive training program for physically disabled adults which emphasizes business computer applications. During enrollment in MEED, students receive access to medical assistance as well as assistance in using adaptive technology.

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State FL

**Florida Community College at Jacksonville**
4501 Capper Rd. - Bldg. C-107
Jacksonville, FL 32218
(904) 766-6607

Data processing training - evaluation and training.

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State FL

**National Parkinson Foundation**
1501 N.W. 9th Avenue
Miami, FL 33136-9990
(800) 327-4545 (305) 547-6666

The National Parkinson Foundation is a major force in research, treatment and rehabilitation programs for Parkinson syndrome. Assistance is provided in finding diagnostic and treatment services.

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State FL

**Division of Vocational Rehabilitation**
Department of Labor and Employment Security
1709 Mahan Dr.
Tallahassee, FL 32308
(904) 488-6210

Counselors coordinate vocational evaluation, counseling, training and placement services and can also refer clients to community resources, such as independent living centers.

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State GA

**Division of Rehabilitation Services**
Department of Human Resources
878 Peachtree St. NE - room 706
Atlanta, GA 30309
(404) 894-6670

Counselors coordinate vocational evaluation, counseling, training and placement sevices and can also refer clients to community resources, such as independent living centers.

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State GA

**Shepherd Spinal Center**
2020 Peachtree St. NW
Atlanta, GA 30309
(404) 352-2020

Acute care, rehabilitation, evaluations and training for paralyzing spinal cord injuries, spinal diseases, spina bifida. Designated Model Spinal Cord Injury System Program. CARF and JCAHO accredited. Adult and pediatric care.

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State GA

**Governor's Committee-Employment of Handicapped**
878 Peachtree St. NE - Suite 707
Atlanta, GA 30309
(404) 894-5638

The governor's committee works with community employers to promote the hiring of disabled persons.

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State GA

**Atlanta Veterans Administration**
Research & Development Unit
1670 Clairmont Rd.
Atlanta, GA 30033
(404) 321-6087

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State GA

**Atlanta Easter Seal Center**
2030 Powers Ferry Rd. - Suite 140
Atlanta, GA 30339
(404) 980-1744

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They will assist eligible users in evaluating appropriate solutions, ordering, installing and on-going support.

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State GA

**Atlanta Job Link - A Project with Industry**
Georgia Sensory Rehabilitation Center
1568 Willingham Dr. - Suite F-200
Atlanta, GA 30337
(404) 768-1656

Atlanta Job-Link Project with Industry is a non-profit organization initiated by the ADAPSO Foundation in cooperation with the Electronics Industry Foundation and the Georgia Department of Human Resources - Rehabilitation Services. This partnership helps satisfy labor market demands by matching qualified disabled workers with job openings at no cost to employers.

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State GA

**Goodwill Industries of Atlanta**
2201 Glenwood Ave. SE
Atlanta, GA 30316
(404) 377-0441

A training and employment placement program for individuals with disabilities. Areas addressed include computer related programs.

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State GA

**National Kidney Foundation of Georgia**
1639 Tullie Circle - Suite 108
Atlanta, GA 30329
(404) 248-1315 (800) 633-2339

The Kidney Foundation is involved in many programs, including a summer camp, patient seminars, drug bank, counseling, publications, education and research.

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State GA

**Atlanta Center for Independent Living**
1201 Glenwood Ave. SE
Atlanta, GA 30316
(404) 656-2952

Community-based independent (non-residential) living program operated by the Georgia DHR, rehabilitation division - providing individual learning skills training and community development, education and outreach for persons with physical and sensory disabilities.

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State GA

**Lekotek of Georgia**
2030 Powers Ferry Rd. - Suite 140
Atlanta, GA 30339
(404) 980-1744

Lekotek, a toy lending library, provides family support and innovative play techniques to encourage child development and increase self-esteem. Serving children with any exceptionality up to age 8, Lekotek offers a parent support group, movement and music classes and computer lab classes.

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State GA

**Arthritis Foundation**
1314 Spring St. NW
Atlanta, GA 30309
(404) 872-7100

This foundation provides research funding, patient services, education and research publications.

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State GA

**United Way of Metropolitan Atlanta**
P.O. Box 2692
Atlanta, GA 30371
(404) 527-7200

United Way services for the metropolitan Atlanta area.

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State GA

**Center for Rehabilitation Technology**
Georgia Institute of Technology
Atlanta, GA 30332
(404) 894-4960

Responding to the needs for adaptive office environments, the Center provides help and information to disabled individuals in the workplace and has been instrumental in addressing the needs of disabled individuals.

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State GA

**Roosevelt Warm Springs Institute**
P.O. Box 1000
Warm Springs, GA 31830
(404) 655-2000

Rehabilitation institute for a variety of disabilities: stroke, spinal cord injury, head trauma, orthopedic, mental retardation, psychological impairment, learning disabled, blind, deaf and polio.

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State HI

**Vocational Rehabilitation Services**
Department of Social Services
P.O. Box 339
Honolulu, HI 96809
(808) 548-4769

Counselors coordinate vocational evaluation, counseling, training and placement sevices and refer clients to community resources, such as independent living centers.

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State HI

**Commission on the Handicapped**
335 Merchant St. - room 353
Honolulu, HI 96813
(808) 548-7606

The commission serves as a clearinghouse of information relating to persons with disabilities, providing public education and training, including working with community employers to promote the hiring of persons with disabilities.

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State IA

**Commission on Persons with Disabilities**
Lucas State Office Building
Des Moines, IA 50319
(515) 281-5969

Usually called "Committee on Employment of the Handicapped." Works with community employers to promote the hiring of disabled persons.

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State IA

**Vocational Rehabilitation Services**
Department of Education
510 East 12th St.
Des Moines, IA 50319
(515) 281-4311

Counselors coordinate vocational evaluation, counseling, training and placement services and can refer clients to community resources, such as independent living centers.

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State ID

**Division of Vocational Rehabilitation**
State Board for Vocational Education
650 West State - room 150
Boise, ID 83720
(208) 334-3390

Counselors coordinate vocational evaluation, counseling, training, medical rehabilitation and placement services and can also refer clients to community resources, such as independent living centers. This program helps people with disabilities enter the workplace.

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State ID

**Governor's Cmttee-Employment of People w/ Disabilities**
317 Main St.
Boise, ID 83735
(208) 334-6193

The governor's committee works with community employers to promote the hiring of disabled persons.

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State IL

**IMPACT Inc.**
2735 E. Broadway
Alton, IL 62002
(618)462-1411 618/474-5308TDD

IMPACT is a community service program dedicated to promoting participation of persons with disabilities and enhancing the prospects of people with disabilities to reach their full potential. Its Adaptive Skills Program for persons with head injuries is funded by the Illinois Dept. of Rehabilitation Services.

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State IL

**Dialogue**
3100 Oak Park
Berwyn, IL 60402
(312) 749-1908

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State IL

**Accent on Information**
P.O. Box 700
Bloomington, IL 61702
(309) 378-2961

This center has a data base and handles referrals for persons with the following disabilities: mobility, hearing and speech.

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State IL

**John R. Johnson - University of Ilinois**
110 Education Building
1310 South Sixth Street
Champaign, IL 61820
(217) 333-2325

John Johnson will provide some consultation regarding system setup and design. He is a technical assistance and evaluation specialist, and his consultation is limited to applications in community employment.

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State IL

**Illinois DIAL**
100 W. Randolph - Suite 8-100
Chicago, IL 60601
(800) 233-DIAL

Illinois DIAL (Disabled Individuals Assistance Line) is an information and referral service that addresses the concerns of individuals with disabilities residing in Illinois. It is operated as a service of the Department of Rehabilitation.

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State IL

**Easter Seal Society of Metro Chicago**
Gilchrist-Marchman Center
2345 W. North Ave.
Chicago, IL 60647
(312) 276-4000

This Community Service Organization (CSO) has formed a partnership with IBM making PCs more affordable for persons with disabilities. They assist eligible users in evaluating appropriate solutions, ordering, installing and on-going support.

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State IL

**Easter Seal Systems**
2023 W. Ogden
Chicago, IL 60612
(312) 243-8400

This organization sponsors grants for software development for disabled persons and develops regional adaptive device centers; it provides education, training and discounts on selected computer systems.

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State IL

**Rehabilitation Institute of Chicago**
Alan J. Brown Center for Alt. Comm.
345 East Superior St.
Chicago, IL 60611
(312) 908-2556

The institute assists communicatively-impaired and physically disabled persons in learning to communicate basic needs and thoughts, improving communication abilities and learning to control their environment.

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State IL

**Committee on PCs for the Handicapped**
2030 W. Irving Park Road
Chicago, IL 60618
(312) 477-1813

Membership organization - provides contacts, newsletter and lending library. Publication: Link & Go Newsletter.

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State IL

**National Easter Seal Society**
5120 S. Hyde Park Blvd. - Suite 100
Chicago, IL 60615
(312) 667-8400 (312) 667-7400

This Community Service Organization (CSO) has formed a partnership with IBM to make PCs more affordable for persons with disabilities. They offer assistance to eligible users in evaluating appropriate solutions and in ordering and installing. They are able to demonstrate the IBM Personal System/2 Screen Reader.

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State IL

**The Source**
P.O. Box 9134
Crystal Lake, IL 60014
(815) 455-0908

The Source is a newspaper for people with physical disabilities.

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State IL

**Lekotek**
2100 Ridge Ave.
Evanston, IL 60204
(312) 328-0001

Lekotek is a program that provides a caring place where families whose children have special needs can come for support and encouragement. Its missions is to integrate children into the family and the family into the community. Receiving services at Lekotek are children with spina bifada, Down syndrome, muscular dystrophy, language delays, hearing and visual impairments, seizure disorders and chronic illnesses. Lekotek is a toy library lending toys that improve skills in children with disabilities. There are 50 nationwide programs.

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State IL

**INNOTEK**
2100 Ridge Ave.
Evanston, IL 60204
(312) 328-0001

INNOTEK is the technology division of the National Lekotek Center. It provides technology training for professionals in special education and related fields on the use of computers for children with special needs. INNOTEK oversees COMPUPLAY Resource Centers, a network of computer play and resource centers for families with children with disabilities.

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State IL

**ACTT (Activating Children Through Technology)**
W.I.U. - 27 Horrabin Hall
Macomb, IL 61455
(309) 298-1014

Project ACTT is a computer curriculum for children with disabilities from birth to eight years of age. The ACTT curriculum provides communication possibilities, develops problem solving skills and fosters the child's expectations of control over the environment.

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State IL

**Lions Club International**
300 22nd Street
Oak Hill, IL 60570
(312) 571-5466

This international service club has 40,000 clubs in 166 countries. It provides assistance to disabled, primarily in sight and hearing. Contact should be made through the local club, and the Oak Hill office will provide information on request.

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State IL

**Illinois Rehabilitation Services**
623 East Adams Street P.O.Box 19429
Springfield, IL 62794
(217) 782-2093

Counseling, guidance, testing, placement.

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State IL

**UCPA Land of Lincoln**
130 North 16th St.
Springfield, IL 62703
(217) 525-6522

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They assist eligible users in evaluating appropriate solutions, ordering, installing and on-going support.

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State IL

**DuPage Easter Seal Society**
830 S. Addison Road
Villa Park, IL 60181
(312) 620-4433

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They assist eligible users in evaluating appropriate equipment, ordering, installing and on-going support. They are able to demonstrate the Personal System/2 Screen Reader. Consultation by a speech pathologist with augmentative communication experience is offered. The center is a pediatric clinic offering physical, occupational, speech and audiological therapy.

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State IN

**Center for Innovation in Teaching Handicapped**
2805 E. 10th St.
Bloomington, IN 47405
(812) 335-5847

Information, data base, referral, resource center; disabilities - vision, mobility, hearing, learning, mental, speech.

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State IN

**Indiana Rehabilitation Services**
251 North Illinois
P.O. Box 7083
Indianapolis, IN 46207-7083
(317) 232-6503 (317) 232-1319

Counselors coordinate vocational evaluation, counseling, training and placement services and can also refer clients to community resources, such as independent living centers.

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State IN

**State Commission for the Handicapped**
P.O. Box 1964
1330 West Michigan Street
Indianapolis, IN 46206
(317) 633-0286 317/633-0859TDD

Usually called "Committee on Employment of the Handicapped." Works with community employers to promote the hiring of disabled persons.

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State IN

**Central Indiana Easter Seal Society**
Crossroads Rehabilitation Center
3242 Sutherland Avenue
Indianapolis, IN 46205
(317) 924-3251

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They will assist eligible users in evaluating appropriate solutions, ordering, installing and on-going support. They are able to demonstrate the Personal System/2 Screen Reader. They specialize in computer access systems for blind and visually impaired individuals; they provide access device training for speech systems, magnification systems and Braille access devices.

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State KS

**Kansas Commission on Disability Concerns**
1430 Southwest Topeka Blvd.
Topeka, KS 66612-1877
(913) 296-1722 913/296-5044TDD

KCDC promotes the integration of people with disabilities into society.

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State KS

**Cerebral Palsy Research Foundation of Kansas**
2021 North Old Manor
P.O. Box 8217
Wichita, KS 67208
(316) 688-1888

Outreach program for augmentative communication work with children and adults with disabilities.

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State KY

**Office of Rehabilitation Services**
Department of Education
Capitol Plaza Tower
Frankfort, KY 40601
(502) 564-6742

Counselors coordinate vocational evaluation, counseling, training and placement services and can also refer clients to community resources, such as independent living centers.

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State KY

**Kentucky Easter Seal Society**
Cardinal Hill Hospital
2050 Versailles Road
Lexington, KY 40504
(606) 254-5701

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They will assist eligible users in evaluating appropriate solutions, ordering, equipment checking, training and on-going support.

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State KY

**Kentucky Committee - Employment of Handicapped**
L and N Building
908 West Broadway - room 508
Louisville, KY 40203
(502) 588-4073

Usually called "Committee on Employment of the Handicapped." Works with community employers to promote the hiring of disabled persons.

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State LA

**Bureau of Handicapped Persons**
P.O. Box 44371
1755 Florida Boulevard
Baton Rouge, LA 70804
(504) 342-2723

Usually called "Committee on Employment of the Handicapped." Works with community employers to promote the hiring of disabled persons.

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State LA

**Division of Rehabilitation Services**
1755 Florida Blvd. P.O. Box 94371
Baton Rouge, LA 70804
(504) 342-2285

Counselors provide services to eligible, disabled individuals, including vocational evaluation, counseling, training and placement services and can also refer clients to community resources, such as independent living centers.

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State MA

**Tufts-New England Medical Center**
Biomedical Engineering Center
171 Harrison Avenue
Boston, MA 02111
(617) 956-5036

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State MA

**Massachusettes Rehabilitation Commission**
Statler Office Building
20 Park Plaza
Boston, MA 02116
(617) 727-2172

Counselors coordinate therapeutic evaluation, counseling, training and placement services and can also refer clients to community resources, such as independent living centers.

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State MA

**Governor's Committee-Employment of Handicapped**
Hurley Building, Government Center
19 Stamford St.
Boston, MA 02114
(617) 727-6580

The governor's committee works with community employers to promote the hiring of disabled persons.

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State MA

**Federation for Children with Special Needs**
312 Stuart - 2nd floor
Boston, MA 02116
(617) 482-2915

Coalition of parent organizations offering technical assistance and resource information on children with various disabilities.

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State MA

**Communication Enhancement Center**
Children's Hospital Medical Center
300 Longwood Avenue
Boston, MA 02115
(617) 735-6466

This is an interdisciplinary center dedicated to providing augmentative communication services to children and adults with cerebral palsy, mental retardation, spinal cord injuries, neuro-muscular diseases, blindness and other disabiliteis that render them speech/writing impaired.

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State MA

**Kennedy Memorial Hospital**
30 Warren Street
Brighton, MA 02135
(617) 254-3800

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State MA

**Life Focus Center**
One City Square
Charlestown, MA 02129
(617) 242-3423

The Supportive Work Program focuses on teaching computer operations to individuals with physical disabilities. The structure includes relating business applications to various software packages. Emphasis is placed on future employment. Physical abilities are assessed and adaptive equipment is funded by the Massachusett Rehabilitation Commission. The Extended Employment focuses on providing a work environment in a supported setting: the physically disabled person who is not suitable for outside employment is a prime candidate.

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State MA

**Advocates Inc.**
P.O. Box 2700
Framingham, MA 01701
(617) 620-0024

Advocates Inc. is a private non-profit agency providing community-based residential, emergency and respite programs for disabled adults. It helps emotionally, physically and mentally handicapped people live with dignity and with the greatest possible independence in their communities. Advocates coordinates a comprehensive range of services by mobilizing agencies, local organizations and client families to ensure that each client benefits from a consistent and individualized program of services and support.

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State MA

**Resources for Rehabilitation**
33 Bedford St. - Suite 19A
Lexington, MA 02173
(617) 862-6455

Resources for Rehabilitation is a nonprofit organization that provides training and information about resources that help people with disabilities. They offer a series of publications, "Living With Low Vision," which includes a professional desk reference, LARGE PRINT Resource Lists and a LARGE PRINT resource guide for individuals with vision loss.

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State MA

**United Cerebral Palsy - North Shore**
Young Energetic and Self Efficient
103 Johnson Street
Lynn, MA 01902
(617) 595-4191

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related program.

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State MA

**National Spinal Cord Injury Association**
149 California Street
Newton, MA 02158
(617) 964-0521

Local associations throughout the country. Disability information and publications.

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State MA

**National Head Injury Foundation**
333 Turnpike Rd.
Southboro, MA 01772
(508) 485-9950 (800) 444-NHIF

Clearinghouse for information concerning research, support groups and other rehabilitation groups. State organizations are available.

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State **MA**

**Massachusetts Easter Seal Society**
Denholm Building
484 Main Street - 6th Floor
Worcester, MA 01608
(508) 757-2756 (800) 922-8290

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They assist eligible users in evaluating appropriate solutions, ordering, installing and on-going support. The 800 number is for Massachusetts.

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State **MD**

**Governor's Committee-Employment of Handicapped**
200 West Baltimore - 7th floor
Baltimore, MD 21201
(301) 333-2264

The governor's committee works with community employers to promote the hiring of disabled persons.

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State **MD**

**Division of Vocational Rehabilitation**
State Department of Education
200 West Baltimore Street
Baltimore, MD 21201
(301) 659-2294

Counselors coordinate vocational evaluation, counseling, training and placement sevices and can also refer clients to community resources, such as independent living centers.

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State **MD**

**National Spinal Cord Injury Hotline**
22 South Greene Street
Baltimore, MD 21201
(800) 526-3456

24-hour toll free hotline providing referrals and other information relative to rehabilitation and psychological adjustment.

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State **MD**

**National Diabetes Information Clearinghouse**
Box NDIC
Bethesda, MD 20892
(301) 468-2162

Write for catalog of publications amd services.

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State MD

**American Occupational Therapy Assoc. (AOTA)**
1383 Piccard Drive
Rockville, MD 20850
(301) 948-9626

AOTA offers a network and resource center to persons who have the following disabilities: vision, mobility, hearing, learning, mental and speech.

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State MD

**American Speech-Language-Hearing Association**
10801 Rockville Pike
Rockville, MD 20852
(800) 638-8255 (301) 897-5700

Professional and scientific organization for speech-language pathologists and audiologists concerned with communication disorders. Publications: ASHA Journal; Journal of Speech and Hearing Research; Language, Speech and Hearing Services in the Schools; Journal of Hearing and Speech Disorders. Provides information on communication disorders and referrals to professionals.

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State MD

**Handicapped Education Exchange**
11523 Charlton Dr.
Silver Spring, MD 20902
(301) 681-7372

The exchange provides a computerized bulletin board TTY/TDD and access bulletin TTY/TDD. Computer numbers: (310) 593-7033 (TDD or 300 baud ASCII) and (301) 593-7357 (ASCII only, 300/1200 baud).

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State MD

**National Rehabilitation Information Center**
8455 Colesville Rd. - Suite 935
Silver Spring, MD 20910
(800) 346-2742 (301) 588-9284

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State ME

**Bureau of Rehabilitation**
Department of Health and Human Services
32 Winthrop Street
Augusta, ME 04330
(207) 289-2266

Counselors coordinate vocational evaluation, counseling, training and placement services and can also refer clients to community resources, such as independent living centers.

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State ME

**Governor's Committee-Employment of Handicapped**
32 Winthrop Street
Augusta, ME 04330
(207) 289-3484

The governor's committee works with community employers to promote the hiring of disabled persons.

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State MI

**Commission on Handicapper Concerns**
Box 30015
Lansing, MI 48909
(517) 373-8397 voice/TDD

This group serves as an information resource and advocate for Michigan's disabled persons. MCHC is affiliated with the President's Committee on Employment.

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State MI

**Michigan Rehabilitation Services**
State Department of Education
608 W. Allegan, P.O. Box 30010
Lansing, MI 48909
(517) 373-3391

Counselors coordinate vocational evaluation, counseling, training and placement services and can also refer clients to community resources, such as independent living centers.

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State MI

**Physically Impaired Association - Michigan (PIAM)**
601 W. Maple St.
Lansing, MI 48906
(800) 274-7426 (517) 371-5897

PIAM informs physically impaired individuals, parents, professionals and service providers about current developments in technology, education, legislation and rehabilitation. Services include the PIAM Assistance Center which provides information on assistive devices and technical aids. The Living and Learning Resource Center is a comprehensive service center which includes equipment evaluation. The needs of all ages and disability areas are addressed.

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State MN

**East Range Developmental Achievement Center**
800 A. Avenue
Eveleth, MN 55734
(218) 744-5130

Information, database, referral network; disabilities - vision, mobility, hearing, learning, speech, mental.

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State MN

**Spinal Cord Society**
Wendell Rd.
Fergus Falls, MN 56537
(218) 739-5252

National monthly newsletter on research and treatment of spinal cord injury problem.

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State MN

**Courage Center**
3915 Golden Valley Road
Golden Valley, MN 55422
(612) 520-0519 (612) 520-0511

The Courage Center is a non-profit organization providing rehabilitation and independent living services for children and adults with physical and sensory impairments. This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They will assist eligible users in evaluating appropriate solutions, ordering, installing and on-going support.

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State MN

**Closing The Gap**
P. O. Box 68
Henderson, MN 56044
(612) 248-3294

This organization provides the latest information in technology for disabled persons. It sponsors national and regional conferences, workshops and training; operates a bookstore; and publishes a newspaper and annual resource directory listing hardware and software products.

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State MN

**PACER Center (Parent Advocacy Coalition-Ed. Rights)**
4826 Chicago Avenue South
Minneapolis, MN 55417-1055
(612) 827-2966

PACER provides information, training and assistance to parents of children with disabilities. Advice is offered in the areas of appropriate education and interpretation of legal rights. PACER offers a Computer Resource Center which provides information on adapting PCs for use by disabled persons.

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State MN

**FIGHT (Family Interest Group-Head Trauma)**
1370 Wellesley Ave.
St. Paul, MN 55105
(612) 478-6477

Offers advice, information and materials (for a returnable deposit) on head trauma, rehabilitation, medical care and adaptive lifestyles.

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State **MN**

**Division of Rehabilitation Services**
Department of Jobs & Training
390 North Robert St. - 5th Floor
St. Paul, MN 55101
(612) 296-5616

Counselors coordinate vocational evaluation, counseling, training and placement services and can also refer clients to community resources, such as independent living centers.

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State **MN**

**Minnesota State Council on Disability**
145 Metro Square Bldg.
7th and Robert Streets
St. Paul, MN 55101
(612) 296-6785 (800) 652-9747

Usually called "Committee on Employment of the Handicapped." Works with community employers to promote the hiring of disabled persons.

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State **MO**

**The Independence**
P.O. Box 463
Chesterfield, MO 63006
(800) 726-6130

This is a newspaper designed for persons with disabilities, their familiies and health care professionals. It is distributed free to groups in the greater St. Louis area.

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State **MO**

**Missouri LINC**
Univerity of Missouri - Columbia
401 E. Stewart Rd.
Columbia, MO 65211
(800) 392-0533 (314) 882-2733

This group is a resource center for educators that provides information, technical assistance, inservice training and materials for vocational and transition education for special needs students.

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State **MO**

**Adaptive Computing Technology (ACT) Center**
200 Heinkel Bldg. - Computing Services
Columbia, MO 65211
(314) 882-2000

The ACT Center provides adaptive computing to persons with disabilities. A full range of workstations is available for those who are blind, mobility impaired and learning disabled. Client services include training and technical support and assistance in acquiring funding for systems.

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State MO

**Division of Vocational Rehabilitation**
Dept. of Elementary & Secondary Education
2401 East McCarty Street
Jefferson City, MO 65101
(314) 751-3251

Counselors coordinate services for clients: vocational evaluation, counseling, training, guidance and placement services and can also refer clients to community resources, such as independent living centers.

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State MO

**Governor's Committee-Employment of Handicapped**
P.O. Box 1668
Jefferson City, MO 65102
(314) 751-2600

The governor's committee works with community employers to promote the hiring of disabled persons.

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State MO

**Handicapped Children's Computers**
c/o Sherwood Center
7938 Chestnut
Kansas City, MO 64132
(816) 363-4606

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State MO

**Canine Assistance for the Disabled Inc.**
4545 Forest Pard - Apt. 309
St. Louis, MO 63108
(314) 361-7939

CADI provides persons with physical or hearing impairment with a dog trained to assist in meeting daily needs - customized according to client needs.

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State MO

**Missouri Easter Seal Society**
1710 Mississippi Ave.
St. Louis, MO 63104
(800) 888-2142 (314) 776-1996

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They assist users in evaluating appropriate solutions, ordering, installing and on-going support. The 800 number is available only in Missouri.

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State MS

**Governor's Office of Handicapped Services**
Department of Rehabilitation Services
P.O. Box 22806
Jackson, MS 39225-2806
(601) 354-6100

Usually called "Committee on Employment of the Handicapped." Works with community employers to promote the hiring of disabled persons.

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State MT

**Governor's Committee-Employment People w/ Disabilities**
Personnel Division
Mitchell Boulding - room 130
Helena, MT 59620
(406) 444-3871 (406) 444-3886

The governor's committee works with community employers to promote the hiring of disabled persons.

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State NC

**The Governor Morehead School**
301 Ashe Ave.
Raleigh, NC 27606
(919) 733-6381

A residential school for visually impaired children: 24 hours/day/10 months - children return home on the weekend. No costs for room, laundry, books, board, etc. For students having difficulty functioning in regular school environment.

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State NC

**Vocational Rehabilitation Services**
Department of Human Resources
620 North West St. P.O. Box 26053
Raleigh, NC 27611
(919) 733-3364

Counselors coordinate vocational evaluation, counseling, training and placement sevices and can also refer clients to community resources, such as independent living centers.

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State ND

**Governor's Council on Human Resources**
State Capitol - Annex: 3rd floor
Bismark, ND 58505
(701) 224-2970

Usually called "Committee on Employment of the Handicapped." Works with community employers to promote the hiring of disabled persons.

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State NE

**Nebraska Department of Education**
Box 94987
301 Centennial Mall South
Lincoln, NE 68509
(402) 471-2471

Computer access and training on aids and devices.

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State NH

**Governor's Commission for the Handicapped**
85 Manchester Street
Concord, NH 03301
(603) 228-0432

Usually called "Committee on Employment of the Handicapped," this commission works with community employers to promote the hiring of disabled persons.

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State NJ

**Easter Seal Society of New Jersey**
Brookdale Community College
765 Newman Springs Road
Lincroft, NJ 07738
(800) 468-0027 (201) 842-1900

This Community Service Organization (CSO) has formed a partnership with IBM making PCs more affordable for persons with disabilities. They will assist users in evaluating appropriate solutions, ordering, installing and on-going support. The 800 number is available only in New Jersey. They are able to demonstrate the IBM Personal System/2 Screen Reader.

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State NJ

**AT&T National Special Needs Center**
2001 Rt. 46 - Suite 310
Parsippany, NJ 07054-1315
(800) 233-1222 800/833-3232TDD

The AT&T National Special Needs Center serves the communications needs of customers with hearing, speech, motion or vision impairments. AT&T publishes a product catalog with information on special TDD services, long distance information and the products available.

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State NJ

**American Paralysis Association**
P.O. Box 187
Short Hills, NJ 07078
(800) 225-0292 (201) 379-2690

This chapter-based non-profit agency encourages and supports research to find a cure for paralysis caused by spinal cord injury, head injury and stroke. The APA Spinal Cord Injury Hotline is a 24-hour information and referral service: (800) 526-3456.

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State NJ

**Governor's Committee on the Disabled**
108-110 North Broad Street
Trenton, NJ 08625
(609) 633-6959

Usually called "Committee on Employment of the Handicapped." Works with community employers to promote the hiring of disabled persons.

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State NJ

**New Jersey Vocational Rehabilitation**
1005 Labor & Industry Building
John Fitch Plaza - CN 398
Trenton, NJ 08625
(609) 292-5987

Counselors coordinate vocational evaluation, medical restoration, counseling, training and placement sevices and can also refer clients to community resources, such as independent living centers. Services are provided through a network of 19 statewide offices.

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State NJ

**UCPA of New Jersey**
354 South Broad Street
Trenton, NJ 08608
(609) 392-4004

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They will assist eligible users in evaluating appropriate solutions, ordering, installing and on-going support. They are able to demonstrate the Personal System/2 Screen Reader.

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State NM

**Governor's Committee-Concerns of Handicapped**
Bataan Memorial Bldg - Room 171
Santa Fe, NM 87503
(505) 827-6465

Concerns include employment, education, architectural access; works with employers, architects, legislators and consumers to promote civil rights for disabled individuals.

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State NM

**Division of Vocational Rehabilitation**
Department of Education
604 West San Mateo
Santa Fe, NM 87503
(505) 982-4555

Counselors coordinate vocational evaluation, counseling, training and placement sevices and can also refer clients to community resources, such as independent living centers.

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State NY

**Governor's Comm.-Employment of People w/ Disabilities**
3100 Mill St. - Suite 115
Reno, NV 89502
(702) 789-0366

The Governor's Committee works with community employers to promote the hiring of disabled persons.

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State NY

**Office of Vocational Rehabilitation**
State Education Department
99 Washington Avenue
Albany, NY 12230
(518) 474-2714 (800) 222-5627

Counselors coordinate vocational evaluation, counseling, training and placement services and can also refer clients to community resources, such as independent living centers.

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State NY

**State Advocate for the Disabled**
10th Floor, Agency Bldg. # 1
Empire State Plaza
Albany, NY 12223
(518) 474-2825 (800) 522-4369

Usually called "Committee on Employment of the Handicapped," this agency works with community employers to promote the hiring of disabled persons.

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State NY

**Music Therapy Association**
25 Gelston Avenue
Brooklyn, NY 11209
(718) 745-9231

This association provides services for disabled people interested in computer-generated music systems. Its services include consulting and system set-up.

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State NY

**Steven Kanor Ph.D. Inc.**
385 Warburton Ave.
Hastings, NY 10706
(914) 478-0960

Steven Kanor Ph.D. Inc. is a non-profit organization dedicated to providing disabled individuals with specially adapted toys, capability switches, communication devices and other adaptive aids - most are available through Toys for Special Children. Kanor gives workshops about how to modify electromechanical devices and provides a video casette of his products.

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State NY

**United Cerebral Palsy Association**
66 East 34th St.
New York, NY 10016
(212) 481-6300

This association provides research funding and other information for parents and patients.

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State NY

**American Parkinson's Disease Association**
116 John Street
New York, NY 10038
(800) 223-APDA

Information concerning the disease, U.S. support groups, research grants, information referral and centers is available.

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State NY

**National Multiple Sclerosis Society**
205 East 42nd St.
New York, NY 10017
(212) 986-3240

Provides information concerning funds, research, causes and cures for MS.

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State NY

**Federation of the Handicapped**
211 West 14th St.
New York, NY 10011
(212) 242-9050

Training and diagnostic support provided for persons with the following disabilities: vision, mobility, hearing, learning, speech, mental.

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State NY

**Parkinson's Disease Foundation**
640-650 West 168th St.
New York, NY 10032
(212) 923-4700

This is a medical research foundation at Columbia Presbyterian Medical Center; publication: Newsletter. The PDF provides educational booklets and referral to competent neurologists. It conducts research and maintains a fellowship program.

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State NY

**American Lung Association**
1740 Broadway
New York, NY 10019
(212) 315-8700

Relevant publications are available. There are local chapters throughout the country.

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State NY

**Muscular Dystrophy Association**
810 Seventh Avenue
New York, NY 10019
(212) 586-0808

MDA supports worldwide research and through its nationwide network of MDA-supported clinics provides diagnostic services and rehabilitative follow-up care for any one of 40 neuromuscular disorders. Publications are available.

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State NY

**UCPA of New York**
120 East 23rd St. - 5th floor
New York, NY 10010
(212) 979-9700 Ext. 263

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They will assist eligible users in evaluating appropriate solutions, ordering, installing and on-going support. They are able to demonstrate the Personal System/2 Screen Reader.

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State NY

**Juvenile Diabetes Foundation**
60 Madison Ave.
New York, NY 10010
(800) 223-1138 (800) JDF-CURE

Publications available about the many aspects of diabetes, including research. There are 130 local chapters available in the U.S. and in nine foreign countries. JDF provides support group and fundraising activity information and newsletters.

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State NY

**Association of Computer Educators Inc.**
751 Brand Ave.
Staten Island, NY 10310
(718) 596-5708

Facilitates information sharing, promotes equitable use of computers by all students.

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State NY

**Schneier Communication Unit**
Cerebral Palsy Center
1603 Court Street
Syracuse, NY 13208
(315) 455-7591

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State NY

**UCPA of Syracuse - "Enable"**
1603 Court St.
Syracuse, NY 13208
(315) 455-7591

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They will assist eligible users in evaluating appropriate solutions, ordering, installing and on-going support. They are able to demonstrate the Personal System/2 Screen Reader.

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State NY

**National Amputation Foundation**
12-45 150th St.
Whitestone, NY 11357
(718) 767-0596

This foundation provides information for amputees and their families.

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State OH

**Assist Therapeutic Systems Inc.**
7710 Reading Rd. - Suite 110
Cincinnati, OH 45237
(513) 761-2868

Assist serves physically disabled individuals of all ages who need adaptive equipment to achieve independence. They evaluate the individual's abilities, prescribe equipment, instruct about its use and provide other services including follow-up evaluations, training and consultations - using a team approach with occupational and physical therapists and speech/language pathologists.

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State OH

**Handicapped Users' Database**
5000 Arlington Centre Blvd.
Columbus, OH 43220
(800) 848-8990

Information, database, referral; disabilities - vision, mobility, hearing, learning, speech, mental.

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State OH

**Compuserve - Handicapped Users' Database**
5000 Arlington Centre Blvd.
Columbus, OH 43220
(800) 848-8990

HUD is collection of articles, news, lists of organizations regarding the disabled.

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State OH

**Governor's Council on People with Disabilities**
400 E. Campus View Blvd. - SW 4
Columbus, OH 43235-4604
(614) 438-1391 (800) 282-4536

The council serves in an advisory capacity to the governor's office and to the General Assembly assisting local, state and federal agencies to ensure maximum utilization of funds to benefit people with disabilities.

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State OH

**Association for Disabled Students**
P.O. Box 21192
Columbus, OH 43221
(614) 488-4972

A national association of professionals working on campuses with post-secondary disabled students. Disabilities - vision, mobility, hearing, learning, mental.

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State OH

**Canine Companions for Independence**
6901 Harrisburg Pike
Orinet, OH 43146
(614) 871-2554

Canine Companions pioneered the concept of training specially bred dogs to help disabled persons - other than blindness.

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State OH

**Hine Memorial Fund**
904 Renaissance Building
47 Federal Plaza
Youngstown, OH 44503
(216) 747-9335

Foundation which serves disabled children through age 21. May provide adaptive equipment and computers.

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State OK

**Rehabilitation Services**
Department of Human Services
P.O. Box 25352
Oklahoma City, OK 73125
(405) 424-4311 ext. 2873

Counselors coordinate therapeutic evaluation, counseling, training and placement services and can also refer clients to community resources, such as independent living centers.

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State OK

**Office of Handicapped Concerns**
4300 North Lincoln Blvd. - Suite 200
Oklahoma City, OK 73105
(405) 521-3756 (800) 522-8224

This office is an independent state agency which helps state government develop policies and services to meet the needs of Oklahomans with disabilities. OHC serves as a resource to disabled persons who want to present their views and recommendations to the Governor, the legislature and state agencies.

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State OR

**Compute Able Network**
P.O. Box 1706
Portland, OR 97207
(503) 645-0009 503/645-2049FAX

Compute Able Network, a service company, is devoted to enabling people through adaptive computer technology. The company provides services, technical assistance, site assessments and training for individuals and professionals, including evaluation, equipment and workstation design training and followup.

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State OR

**Department of Human Resources - Vocational Rehab.**
2045 Silverton Rd. NE
Salem, OR 97310
(503) 378-3850

Vocational and independent living services counselors coordinate therapeutic evaluation, counseling, training and placement services and can also refer clients to community resources, such as independent living centers.

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State OR

**Oregon Disablities Commission**
1880 Lancaster NE - Suite 106
Salem, OR 97310
(503) 378-3142 (800) 358-3117

The commission serves as the governor's committee on employment of persons with disabilities. It provides information and referral and advocacy services, administering the deaf and hearing-impaired access program and the client assistance program.

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State PA

**Good Shepherd Rehabilitation Hospital**
Fifth and St. John Streets
Allentown, PA 18103
(215) 776-3239

Service delivery programs, including evaluation and assessment and help with adaptive devices.

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State PA

**Office of Vocational Rehabilitation**
Labor and Industry Building, Rm 1300
7th and Forster Streets
Harrisburg, PA 17120
(717) 787-5244

Counselors coordinate vocational evaluation, counseling, training and placement services and can also refer clients to community resources, such as independent living centers.

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State PA

**Governor's Committee-Employment of Handicapped**
Labor and Industry Building
7th and Forster Streets - room 1315
Harrisburg, PA 17120
(717) 787-5232

The governor's committee works with community employers to promote the hiring of disabled persons.

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State PA

**Computer Science Programs - Handicapped**
4025 Chestnut St. - 3rd floor
Philadelphia, PA 19104
(215) 898-8108

Programmer Training Project; evaluation.

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State PA

**Allied Services**
P.O. Box 1103
Scranton, PA 18501
(717) 348-1338

Vocational and professional services for persons with disabilities.

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State PR

**Puerto Rico Voc. Rehabilitation Program**
Box 1118
Hato Rey, PR 00919
(809) 725-1792

Physical and Mental Restoration Services, employment evaluation, vocational training and placement for eligible citizens with disabilities.

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State RI

**Easter Seal Society of Rhode Island**
Meeting Street School
667 Waterman Ave.
East Providence, RI 02914
(401) 438-9500

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They will assist eligible users in evaluating appropriate solutions, ordering, installing and on-going support. They are able to demonstrate the Personal System/2 Screen Reader.

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State RI

**Division of Vocational Rehabilitation**
Social and Rehabilitive Services
46 Aborn Street
Providence, RI 02903
(401) 421-7005

Counselors coordinate vocational evaluation, counseling, training and placement sevices and can also refer clients to community resources, such as independent living centers.

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State SC

**National Information System for Health Related Services**
Center for Developmental Disabilities
U.S.C. - Benson Bldg.
Columbia, SC 29208
(800) 922-9234

The NIS offers free access to a computerized database of information on specialized services available for developmentally disabled and chronically ill children. A counselor matches the person, service and condition to the closest agency providing the service. The focus is on specialized medical, education and other health-related services.

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State SC

**The National Information System**
Benson Bldg. - Univ. of South Carolina
Columbia, SC 29208
(800) 922-9234 800/922-1107 SC

The National Information System is a toll-free information and referral service that has information about specialized services available to children from birth to 21 years of age who have developmental disabilities or special health care needs.

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State SC

**Governor's Committee-Employment of Handicapped**
P.O. Box 15
West Columbia, SC 29171-0015
(803) 739-5303

The governor's committee works with community employers to promote the hiring of disabled persons.

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State SC

**Vocational Rehabilitation Department**
1410 Boston Avenue
P.O. Box 15
West Columbia, SC 29171
(803) 734-4300

Counselors coordinate therapeutic evaluation, counseling, training and placement services and can also refer clients to community resources, such as independent living centers.

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State SD

**Vocational Rehabilitation Office**
Kneip State Office Building
700 Governors Drive
Pierre, SD 57501
(605) 773-3125

Counselors coordinate therapeutic evaluation, counseling, training and placement services and can also refer clients to community resources, such as independent living centers.

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State SD

**The NACE Center**
Crippled Children's Hospital and School
2501 West 26th St.
Sioux Falls, SD 57105
(605) 336-1840

NACE (Non-verbal Augmentative Communication Evaluation Center) provides evaluation services to persons with communication disorders or motor impairments.

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State TN

**Rebound Inc.**
109 Hazel Path
Hendersonville, TN 37075
(800) 228-4881 (800) 522-5016

Rebound provides the entire range of head injury rehabilitation programs from offices in several states, including Florida, Missouri, South Carolina, Tennessee and Texas.

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State TN

**Governor's Comm.-Employment of People w/ Disabilities**
Citizens Plaza Bank Building
400 Deaderick St. - 11th Floor
Nashville, TN 37219
(615) 741-2095

The governor's committee works with community employers to promote the hiring of disabled persons.

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State TN

**Services for the Blind**
Tennessee Division - Rehabilitation Services
400 Deaderick St. - Suite 1100
Nashville, TN 37219
(615) 741-2919

Counseling, social work, education, computers, employment, pre-vocational evaluation and placement.

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State TN

**Vocational Opportunities Inc.**
New Medico Head Injury System
205 Westgate Drive
Springfield, TN 37172
(800) 227-3824 (615) 384-8686

The New Medico Head Injury System provides rehabilitation to the head injury survivor. Their professional associates in 34 locations nationwide provide assessment, coma intervention, community re-entry, vocational training and other resources concerning the rehabilitation process.

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State TN

**Vocational Opportunities Inc.**
205 Westgate Drive
Springfield, TN 37172
(800) 227-3824 (615) 384-8686

Vocational Opportunities provides employment opportunities for head-injured survivors at several rehabilitation facilities operated by the New Medico Head Injury System.

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State TX

**Texas Rehabilitation Commission**
118 East Riverside Drive
Austin, TX 78704
(512) 445-8000 512-445-8313TDD

Counselors coordinate therapeutic evaluation, counseling, training and placement services and can also refer clients to community resources, such as independent living centers.

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State TX

**Texas Governor's Committee for Disabled Persons**
4900 North Lamar Blvd.
Austin, TX 78751-2316
(512) 483-4384

Along with mayor's committees across the state, the Texas Governor's Committee creates opportunities for persons with disabilities to make a contribution and to work to their full potential. Members of the committee promote employment and public awareness of the abilities and needs of people with disabilities.

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State TX

**Texas Easter Seal Society**
800 West Ave. - Bldg. C: Suite 100
Austin, TX 78701
(800) 492-5555 (512) 474-1272

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State TX

**American Heart Association**
7320 Greenville Ave.
Dallas, TX 75231
(214) 706-1179

Provide publications and research on stroke and cerebrovascular disease. There are local chapters throughout the country.

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State TX

**Center for Computer Assistance to the Disabled**
617 Seventh Ave.
Fort Worth, TX 76104
(817) 870-9082 817/870-9086TDD

A non-profit training center for computer skills for jobs and daily life. Also serves as a clearinghouse for information regarding computer applications. Acquired by REACH in January, 1989. Publication: Direct Llink (quarterly).

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State TX

**REACH (Rehab/Educ/Advocacy for Citizens with Handicaps)**
617 7th Ave.
Fort Worth, TX 76104
(817) 870-9082 817-8709086 TDD

REACH acquired C-CAD (Center for Computer Assistance to the Disabled) in January 1989. A non-profit training center for computer skills for jobs and daily life. They serve as a clearinghouse for information about computer applications.

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State TX

**Easter Seal Rehabilitation Center**
2203 Babcock Road
San Antonio, TX 78229
(512) 699-3911

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They will assist eligible users in evaluating appropriate solutions, ordering, installing and on-going support.

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State UT

**Utah Easter Seal Society**
331 South Rio Grande St. - Suite 206
Salt Lake City, UT 84101
(801) 531-0522

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They will assist eligible users in evaluating appropriate solutions, ordering, installing and on-going support.

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State UT

**Governor's Comm.-Employment of People w/ Disabilities**
120 North 200 West
P.O. Box 45500
Salt Lake City, UT 84145-0500
(801) 538-4210 801/538-4102TDD

The governor's committee works with community employers to promote the hiring of disabled persons.

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State UT

**Utah Library for the Physically Handicapped**
2150 S. 300 West - Suite 16
Salt Lake City, UT 84115
(801) 466-6363

The library provides services to the blind and physically disabled who cannot read or use conventional materials in the following format: Braille, large print, recorded discs and cassette and radio reading service. They serve patrons in Utah and Wyoming.

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State UT

**Division of Rehabilitation Services**
Office of Education
250 East Fifth South
Salt Lake City, UT 84111
(801) 533-5991

Counselors coordinate therapeutic evaluation, counseling, training and placement services and can also refer clients to community resources, such as independent living centers.

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State VA

**American Diabetes Association**
National Service Center
1660 Duke St.
Alexandria, VA 22314
(800) 232-3472

Local chapters provide community service and access to education and publications.

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State VA

**Cumberland**
P. O. Box 150
New Kent, VA 23124
(800) 368-3472 (800) 552-1828

This hospital for children and adolescents treats severe head injuries and severe physical problems - diabetes, blood diseases, seizures - along with accompanying emotional disorders. Long term residential care is also provided.

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State VA

**Council for Exceptional Children (Center Spec.Ed. Tech)**
1920 Association Dr.
Reston, VA 22091-1589
(703) 620-3660

CEC has a specific Division for Learning Disabilities (DLD). They are the major national association of special education teachers, administrators and university students training to be teachers. Its Center for Special Education Technology provides services to increase the use of information about technology. Publishes Exceptional Children and Teaching Exceptional Children.

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State VA

**Amer. Academy for Cerebral Palsy and Developmental Med.**
2315 Westwood Avenue
P.O. Box 11083
Richmond, VA 23230
(804) 355-0147

This center provides information through a database, referral service and a research center. Help can be obtained for the following disabilities: vision, mobility, hearing, learning, mental and speech.

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State VA

**Department of Rehabilitative Services**
Board of Vocational Rehabilitation
P.O. Box 11045
Richmond, VA 23230
(804) 367-0318

Counselors provide vocational rehabilitation services, including evaluation, counseling, training and job placement; they can also refer clients to community resources, such as independent living centers and sheltered workshops.

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State VA

**Board of the Department of Rights of Disabled**
101 North 14th St. - 17th floor
Richmond, VA 23219
(804) 225-2042 804-552-3962TDD

Usually called "Committee on Employment of the Handicapped." Works with community employers to promote the hiring of disabled persons.

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State VA

**Easter Seal Society of Virginia**
4841 Williamson Rd.
P.O. Box 5496
Roanoke, VA 24012
(800) 365-1656 (703) 362-1656

This Community Service Organization (CSO) has formed a partnership with IBM making personal computers more affordable for persons with disabilities. They will assist eligible users in evaluating appropriate solutions, ordering, installing and on-going support.

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State VI

**Virgin Islands-Department Social Welfare**
P.O. Box 550-Charlotte Amalie
St. Thomas, VI 00801
(809) 774-0930

Counseling, social work, education, skill development, placement.

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State VT

**Vocational Rehabilitation Division**
Dept. of Social and Rehabilitation Services
103 S. Main St., Human Resource Agency
Waterbury, VT 05676
(802) 241-2186

Counselors coordinate vocational evaluation, counseling, training and placement services and can also refer clients to community resources, such as independent living centers.

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State WA

**Assoc. Devel. of Computer Based Instr. Systems**
Miller Hall 409
Bellingham, WA 98225
(206) 676-2860

This association provides information, a data base, referral service, diagnostic training and direct support for persons with the following disabilities: vision, mobility, hearing, learning, mental and speech.

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State WA

**Division of Vocational Rehabilitation**
Department of Social and Health Services
State Office Building, #2 (OB-21C)
Olympia, WA 98504
(206) 753-2544

Counselors coordinate therapeutic evaluation, vocational counseling, training and placement services and can also refer clients to community resources, such as independent living centers.

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State WA

**NW Council for Computer Education**
Old Capitol Building - FG-11
Olympia, WA 98504
(206) 586-2053

Network; disabilities - vision, mobility, hearing, learning, mental, speech.

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State WA

**Governor's Committee on Disability Issues & Employment**
Employment Security Department
Mail Stop KG-11
Olympia, WA 98504
(206) 438-3168 206-438-3167TDD

The governor's committee works with community employers to promote the hiring of disabled persons.

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State WA

**Washington Library for Blind & Physically Handicapped**
821 Lenora St.
Seattle, WA 98129
(800) 542-0866 (206) 464-6930

Talking Books, Braille books, large print, transcription, Reading Aids Center, reference.

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State WA

**Computer Demonstration Center Program**
33 S. Second Ave.
Yakima, WA 98902
(509) 575-2885

Resource center, training/diagnostic/direct support; disabilities - vision, mobility, hearing, learning, mental, speech.

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State WI

**Governor's Committee-People with Disabilities**
131 West Wilson St. - Room 1003
P.O. Box 7852
Madison, WI 53707
(608) 266-5378 608-267-2082TDD

The governor's committee advises and informs the governor, the legislature and state agencies about issues of concern to people with disabilities. The committee promotes public awareness of the abilities and needs of persons with disabilities.

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State WI

**Computers to Help People Inc.**
1221 W. Johnson St.
Madison, WI 53715
(608) 257-5917

This organization trains disabled people in computer use, employs disabled people in computer related jobs, develops software for the disabled and distributes software by mail order.

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State WI

**North Central Technical Institute**
1000 Campus Drive
Wausau, WI 54401
(715) 675-3331

Computer access, training aids and devices.

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State WV

**Governor's Committee on Disabled Persons**
Dept. of Human Services - room B-617
1900 W. Washington St. East
Charleston, WV 25305
(304) 348-2400

Usually called "Committee on Employment of the Handicapped," this committee works with community employers to promote the hiring of disabled persons.

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State WV

**West Virginia Division of Rehabilitation Services**
State Capitol
Charleston, WV 25305
(304) 766-4601

Counseling and social work, education, rehabilitation and employment pre-vocational evaluation.

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State WV

**Job Accommodation Network**
WV Univeristy - 809 Allen Hall
Morgantown, WV 26506
(800) 526-7234 (800) 526-2262

An international information and consulting resource providing job accomodation information to employers, rehabilitation professionals and persons with disabilities relating to all employemnt issues. The second 800 number is for Canada, and both numbers are voice/TDD.

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State WY

**Governor's Committee for Employment of the Handicapped**
Hathaway Building - room 338
Cheyenne, WY 82002
(307) 777-7191

The governor's committee works with statewide employers to promote the hiring of disabled persons.

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State WY

**6epartment of Employment**
Division of Vocational Rehabilitation
326 Hathaway Building
Cheyenne, WY 82002
(307) 777-6843

Computer access and training on aids and devices.

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State WY

**Division of Vocational Rehabilitation**
Department of Employment
Hathaway State Office Bldg. - room 327
Cheyenne, WY 82002
(307) 777-6624

Counselors coordinate therapeutic evaluation, counseling, training and placement services and can also refer clients to community resources, such as independent living centers.

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State

**Neil Squire Foundation**
4381 Gallant Avenue
North Vancouver, British Columbia
Canada, V7G 1L1
(604) 929-2414

Rehabilitation consultation services for high level quadriplegics. They provide consultation and program planning for the following: respiration, specialized equipment, home modification, computer education, spinal cord injury education, travel planning and follow-up. The Regenesis Corporation is dedicated to marketing the products researched and developed by the Neil Squire Foundation.

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State

**K-W Access-Ability**
Waterloo Town Square - lower level
Waterloo
Ontario, Canada, N2J 1P2
(519) 885-6640

K-W Access-Ability is a non-profit Information and Resource Centre dedicated to providing an environment that supports self-determination for physically challenged people. The purpose of the group is to assist persons with physical disabilities to acquire information and resources for their needs.

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## Additional Resources

The support groups listed are other organizations providing services to this special population. Their services vary widely. Please read the service descriptions and contact the groups directly for specific details. (Groups are sorted by city within each state.)

State AK

**State Department of Education**
State Office Bldg. - Pouch F
Juneau, AK 99811
(907) 465-2970

This agency of Alaska's Department of Education administers special education programs and has information on specific services.

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State AL

**Lakeshore Rehabilitation Facility**
3800 Ridgeway Dr.
Birmingham, AL 35209
(205) 870-5999

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

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State AL

**Program for Exceptional Children and Youth**
State Department of Education
1020 Monticello Court
Montgomery, AL 36117
(205) 261-5099

This agency of the State Department of Education administers special education programs and has information on specific services.

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State AR

**Special Education Section**
State Department of Education
Arch Ford Education Building
Little Rock, AR 72201
(501) 682-4221

This agency of the Arkansas Department of Education administers special education programs and has information on specific services in each state.

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State AZ

**Special Education Section**
Arizona Department of Education
1535 West Jefferson
Phoenix, AZ 85007
(602) 542-3183

This agency of Arizona's Department of Education administers special education programs.

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State CA

**CIL-CTP**
2101 Milvia St.
Berkeley, CA 94704
(415) 849-2911

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

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State CA

**Grossmont College**
8800 Grossmont College Dr.
El Cajon, CA 92020
(619) 465-1700 Ext. 608

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers and business personal computer users.

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State CA

**San Gabriel Valley Training Center**
400 South Covina Blvd.
La Puente, CA 91746
(818) 968-8479

This training program, an IBM-initiated rehabilitation training program (IBMRP), offers training in fields related to word processing, data entry and personal computer operations.

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State CA

**Westside Center for Independent Living**
12655 West Washington Blvd.
Los Angeles, CA 90066
(213) 390-3406

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

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State CA

**Novato Unified School District**
1015 Seventh Street
Novato, CA 94947
(415) 897-4201

Dr. Kelleher, Director of Special Services, does consulting and is a resource for evaluation and testing, special education and child welfare and attendance.

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State CA

**Merritt Community College**
Disabled Students Services
12500 Campus Drive
Oakland, CA 94619
(415) 436-2429

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

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State CA

**High Tech Center for the Disabled**
Cal. Community Colleges Chancellor's Office
1107 Ninth St.
Sacramento, CA 95814
(916) 322-4636

The Center provides training and support to instructional specialists in California community colleges and other institutions. Training and support are available in the areas of computer access tehcnologies for low vision, blind, physically and learning disabled persons.

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State CA

**Division of Special Education**
State Department of Education
721 Capitol Mall - room 614
Sacramento, CA 95814
(916) 323-4768

This agency of the State Department of Education administers special education programs and has information on specific services.

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State CA

**Goodwill Industries**
980 Howard Street
San Francisco, CA 94103
(415) 362-0778

This agency offers a training program, in conjunction with IBM (IBMRP), to train in fields related to programming or computer use.

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State CA

**Don Cracraft**
4718 Meridian Ave. # 220
San Jose, CA 95118
(301) 881-7234

Provides training and consulting on computer usage for persons with disabilities; specializing with products for the visually impaired.

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State CA

**Adept**
1657 West San Carlos - Suite A
San Jose, CA 95128
(408) 286-3830

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

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State CA

**Goodwill of Orange County**
410 North Fairview
Santa Ana, CA 92702
(714) 547-6301

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

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State CA

**Goodwill Industries of the Redwood Empire**
11 West Barham Ave.
Santa Rosa, CA 95407
(707) 523-0550

Transitional services for persons with disabilities, including vocational evaluation, work adjustment, work hardening, skills training, on-the-job training, supported employment and job placement.

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State CA

**Los Angeles/Project With Industry**
23890 Hawthorne Blvd.
Torrance, CA 90505
(213) 373-9545

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

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State CA

**Telemarketing Visions Institute**
8358 Creighton Ave.
Westchester, CA 90045
(213) 645-4312

TVI is a nonprofit vocational training organization providing telemarketing and computer office automation skills training to visually impaired clients. They also assist with job placement.

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State CO

**Special Education Services**
State Department of Education
201 East Colfax Avenue
Denver, CO 80203
(303) 866-6694

This division of Colorado's Department of Education administers special education programs and has information on specific services in each school district.

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State CO

**Community College of Denver - Center for Disabled**
1111 West Colfax - Box 400
Denver, CO 80204
(303) 556-3300

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

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State CO

**EmployAbility Inc.**
1249 East Colfax - Suite 219
Denver, CO 80218
(303) 861-0116

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

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State CT

**The Work Bank Inc.**
75 Van Dyke Avenue
Hartford, CT 06106
(203) 247-0549

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

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State CT

**Pupil Personnel & Special Ed. Services**
State Department of Education
P.O. Box 2219
Hartford, CT 06115
(203) 566-4383

This division of the State Department of Education administers special education programs and has information on specific services in each state.

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State CT

**Vocational Rehabilitation**
600 Asylum Ave.
Hartford, CT 06105
(203) 566-2675

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

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State CT

**BIPED Corporation**
c/o Easter Seal Rehabilitation Center
26 Palmer's Hill Road
Stamford, CT 06902
(203) 324-3935

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

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State DC

**Electronic Industries Foundation**
Projects with Industry
1901 Pennsylvania Ave. NW - Suite 700
Washington, DC 20006
(202) 955-5816

A national employment placement program for individuals with disabilities; areas addressed include computer-related programs. Limited scholarships are available to students with disabilities pursuing advanced degress in technical fields.

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State DC

**Rehabilitation Services Administration**
Vocational Rehabilitation
605 G St. NW - room 1100
Washington, DC 20001
(202) 727-3227

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

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State DC

**National Assoc. State Directors - Special Ed.**
1201 16th St. NW
Washington, DC 20036
(202) 822-7933

Electronic information exchange relevant to special education, including computer applications for persons with disabilities.

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State DC

**State Office of Special Education**
Webster Administration Building
10th & H St. NW
Washington, DC 20001
(202) 724-4018

The State Office of Special Education, as the regulatory body of the District of Columbia for applicable federal laws which govern service delivery to eligible handicapped children, is responsible for providing oversight, monitoring and supervision of special education programs and services in the city.

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State DE

**Exceptional Children/Special Programs**
Department of Public Instruction
Townsend Building  P.O. Box 1402
Dover, DE 19903
(302) 736-5471

This division of Delaware's Department of Education administers special education programs and has information on specific services in each state.

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State FL

**Abilities Inc. of Florida**
2735 Whitney Road
P.O. Box 4010
Clearwater, FL 34618-4010
(813) 530-0617

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

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State FL

**Palm Beach Rehabilitation Center**
4522 South Congress Ave.
Lake Worth, FL 33466
(305) 965-8500

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

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State FL

**Lindsey Hopkins Technical Education Center**
750 NW 20th St. # 224
Miami, FL 33127
(305) 324-6070

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

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State FL

**Valencia Community College**
P.O. Box 3028
Orlando, FL 32802
(305) 299-5000

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers. The program also offers computer-assisted design training.

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State FL

**Vocational Education for Special Needs**
George Stone Area Vo-Tech Center
2400 Longleaf Dr.
Pensacola, FL 32506
(904) 944-1424

A computer training program for the blind, visually and severely physically impaired. The mission of this program is to expand vocational training and job placement for individuals with these disabilities. The curriculum emphasis is on keyboarding skills, word processing, data bases and simple programming.

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State FL

**Fellowship House**
5711 South Dixie Highway
South Miami, FL 33143
(305) 667-1036

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

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State FL

**Bureau of Education for Exceptional Students**
Florida Education Center
Tallahassee, FL 32399
(904) 488-1106

Training on computer aids and devices varies among school districts; adaptive computer information available.

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State GA

**Special Education Programs Division**
1966 Twin Towers E.
205 Butler St.
Atlanta, GA 30334
(404) 656-2425

This division of Georgia's Department of Education administers special education programs and has information on specific services in each state.

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State GA

**Georgia Computer Campus**
ATDC
430 10th Street - Suite 201
Atlanta, GA 30318
(404) 894-3972

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers and customer service representatives.

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State HI

**Special Needs Branch**
Department of Education
3430 Leahi Ave.
Honolulu, HI 96815
(808) 737-3720

This division of Hawaii's Department of Education administers special education programs and has information on specific services.

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State IA

**Bureau of Special Education**
Department of Education
Grimes State Office Building
Des Moines, IA 50319
(515) 281-3176

This bureau of Iowa's Department of Education administers special education programs and has information on specific services in each state.

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State ID

**Specialized Education Section**
State Department of Education - Jordan Bldg.
650 West State St.
Boise, ID 83720
(208) 334-3940

This division of Idaho's Department of Education administers special education programs and has information on specific services in each state.

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State IL

**Goodwill Industries**
219 S. Illinois St.
Belleville, IL 62222
(618) 235-2440

Goodwill provides training and support services for disabled individuals including services for the blind, including referral services, testing assistance, travel skills training and career exploration.

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State IL

**Hancock County Mental Health Center**
Vocational Development Program
607 Buchanan (Highway 136)
Carthage, IL 62321
(217) 357-3176

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

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State IL

**Chicago Jewish Vocational and Employment Service**
1 South Franklin St.
Chicago, IL 60606
(312) 346-6700

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

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State IL

**Coordinating Council for Handicapped Children**
20 East Jackson - Suite 900
Chicago, IL 60604
(312) 939-3513

The council provides training programs on special education rights and services for parents and professionals; it also provides free pamphlets on the special education process.

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State IL

**El Valor Corporation**
815 West Van Buren
Chicago, IL 60607
(312) 421-0510

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

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State IL

**Northwestern University Rehabilitation**
345 East Superior St. - room 1441
Chicago, IL 60611
(312) 908-8560

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State IL

**Fliptrack Learning Systems**
999 Main St. - Suite 200
Glen Ellyn, IL 60137
(800) 222-FLIP (312) 790-1117

FlipTrack Learning Systems publishes self-study courses for a wide variety of microcomputer software - indcluding Lotus, Excel, WordPerfect. Audio tapes are tone indexed and are available for the visually impaired. Prices range from $69-$295.

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State IL

**Lift Inc.**
350 Pfingsten Rd. - Suite 103
Northbrook, IL 60062
(312) 564-9005

A training and employment placement program for individuals with disabilities. Lift addresses many areas including computer-related programs. Lift provides a six-month training course at no charge, training and employment at home if required and employment with Lift on contract with one of its corporate clients.

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State IL

**Department of Special Services**
State Board of Education
100 North First St.
Springfield, IL 62777
(217) 782-6601

This department of the State Board of Education administers special education programs and has information on specific services in each state.

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State IN

**Crossroads Rehabilitation Center**
3242 Sutherland Ave.
Indianapolis, IN 46205
(317) 924-3251

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

---

State IN

**Division of Special Education**
Department of Public Instruction
229 State House
Indianapolis, IN 46204
(317) 232-0570

This division of the Department of Education administers special education programs and has information on specific services.

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State KS

**Special Education Division**
State Department of Education
120 East 10th St.
Topeka, KS 66612
(913) 296-4945

This division of the State Department of Education administers special education programs and has information on specific services in each state.

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State KS

**International Association of Machinists**
Projects with Industry
3830 South Meridian
Wichita, KS 67217
(316) 522-1591

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

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State KY

**Office of Education - Exceptional Children**
State Department of Education
Capitol Plaza Tower, 8th Floor
Frankfort, KY 40601
(502) 564-4970

This division of Kentucky's Department of Education administers special education programs and has information on specific services.

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State LA

**Louisiana State University**
CRT Program
E124 Pleasant Hall
Baton Rouge, LA 70803
(504) 388-1965

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

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State LA

**Office of Special Educational Services**
State Department of Education
Capitol Station, Box 94064
Baton Rouge, LA 70804-9064
(504) 342-3631

This division of the State Department of Education administers special education programs and has information on specific services.

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State LA

**Training and Resource Center**
University of New Orleans
New Orleans, LA
(504) 286-7096

This center researches the field for better ways to offer visually impaired students current advances in computer technology and is a resource for information.

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State MA

**Special Education Division**
Massachusetts Department of Education
1385 Hancock Street
Quincy, MA 02169
(617) 770-7468

This division of the State Department of Education administers special education programs and has information on specific services.

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State MD

**Maryland Rehabilitation Center**
2301 Argonne Dr.
Baltimore, MD 21218
(301) 554-3101

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

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State MD

**Division of Special Education**
Maryland Department of Education
200 W. Baltimore St.
Baltimore, MD 21201
(301) 333-2478 301/333-2666TDD

This division of Maryland's Department of Education administers special education programs (birth-20) and has information on specific services in each county.

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State MD

**Goodwill Industries of America Inc.**
Projects with Industry
9200 Wisconsin Ave.
Bethesda, MD 20814
(301) 530-6500

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

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State ME

**Division of Special Education**
Dept. of Educational & Cultural Service
State House Complex - Station 23
Augusta, ME 04333
(207) 289-5950

This division of Maine's Department of Education administers special education programs and has information on specific services in each state.

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State ME

**University College - University Maine/Orano**
135 Eastport Hall
Bangor, ME 04401
(207) 581-6121

Programmer Training Project with evaluation.

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State MI

**The University of Michigan - Computing Center**
1075 Beal Avenue
Ann Arbor, MI 48109
(313) 763-9948

Handicapped User Consultant

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State MI

**Department of Physical Medicine & Rehabilitation**
University of Michigan
1C335 University Hospital
Ann Arbor, MI 48109
(313) 936-7170

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State MI

**Calhoun Areas Vocational Center**
Project Synergee
475 East Roosevelt Avenue
Battle Creek, MI 49017
(616) 968-2271

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related program.

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State MI

**Special Education Services**
Michigan Department of Education
P.O. Box 30008
Lansing, MI 48902
(517) 373-0923

This division of Michigan's Department of Education administers special education programs and has information on specific services. Its primary goal is to ensure that all disabled persons, between birth and school graduation, are identified, evaluated and provided with appropriate programs and services to meet their educational needs.

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State MI

**State Tech. Institute & Rehabilitation Center**
Alber Drive
Plainwell, MI 49080
(616) 664-4461

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as business application programmers.

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State MI

**Wayne County Intermediate School**
Attention: Greg Turner
33500 Van Born Road
Wayne, MI 48184
(313) 467-1415

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State MN

**Multi Resource Center**
1900 Chicago Ave.
Minneapolis, MN 55404
(612) 871-2402

This IBM-initiated rehabilitation program (IBMRP) provides training and placement for persons with a physical disability or sensory impairment as Business Computer Programmers.

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State MN

**Sister Kenny Institute - Vocational Services Dept.**
800 East 28th St. at Chicago Ave.(zip 38101)
Minneapolis, MN 55407
(612) 332-7036

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

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State MN

**Special Education Section**
Department of Education
550 Cedar St. - Capitol Square Bldg.
St. Paul, MN 55101
(612) 296-4163

This division of Minnesota's Department of Education administers special education programs and has information on services.

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State MO

**University of Missouri - Columbia**
Access Office for Students with Disabilities
A048 Brady Commons
Columbia, MO 65211
(314) 882-4696

Office of Vice Chancellor - Coordinating Services for students with: mobility impairments, learning disabilities, visual impairments and hearing impairments; consultant resources.

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State MO

**Division of Special Education**
Dept. of Elementary and Secondary Education
P.O. Box 480
Jefferson City, MO 65101
(314) 751-4909

This division of Missouri's Department of Education administers special education programs and has information on specific services in each state.

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State MO

**Missouri Goodwill Industries**
Peer Placement Program
4140 Forest Park Blvd.
St. Louis, MO 63108
(314) 371-6320

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs and services for the blind.

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State MS

**Bureau of Special Services**
Department of Special Education
P.O. Box 771
Jackson, MS 39205
(601) 359-3498

This office of the State Department of Education administers special education programs.

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State MT

**Office of Public Instruction**
State Capitol
Helena, MT 59620
(406) 444-4429

This division of Montana's Department of Education administers special education programs and provides information on specific services.

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State NC

**Alamance-Caswell Mental Health Authority**
Vocational Trades of Alamance and Caswell
717 N. Park Ave.
Burlington, NC 27217
(919) 222-6520

A training and employment placement program for individuals with disabilities, including mental retardation, mental illness, closed head injuries, physical disabilities and substance abuse. The program provides services which include vocational evaluation, work adjustment, work activity for those with developmental disabilities, sheltered employment, job placement and remedial or compensatory education.

---

State NC

**Goodwill Industries of Southern Piedmont**
2122 Freedom Dr.
P.O. Box 668768
Charlotte, NC 28266
(704) 372-3434

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

---

State NC

**Raleigh Vocational Center**
3011 Fallstaff Rd.
Raleigh, NC 27601-1296
(919) 828-2325

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs, experimenting with and designing new techniques of rehabilitation, work adjustment, placement, therapeutic recreation and adult development.

---

State NC

**Division for Exceptional Children**
Dept. of Public Instruction: Education Bldg.
116 West Edenton St.
Raleigh, NC 27603-1712
(919) 733-3921

This division of North Carolina's Department of Education administers special education programs and has information on specific services.

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State ND

**Special Education**
Department of Special Instruction
State Capitol
Bismarck, ND 58505
(701) 224-2277

This division of North Dakota's Department of Education administers special education programs and has information on specific services.

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State NE

**Special Education Office**
Nebraska Department of Education
301 Centennial Mall South - Box 94987
Lincoln, NE 68509
(402) 471-2471

This office of Nebraska's Department of Education administers special education programs and has information on specific services for children with disabilities.

---

State NE

**UNL - Educational Center for Disabled Students**
132 Administration Building
Lincoln, NE 68588-0401
(402) 472-3787

The ECDS provides services to students who have a broad range of both physical and learning disabilities. One aspect of these services is the practice of using computer technology to improve students' academic performance and attitudes toward success. A project is underway to provide information delivery using computers.

---

State NH

**Division of Vocational Rehabilitation**
New Hampshire Department of Education
78 Regional Dr. - Bldg. 2
Concord, NH 03301
(603) 271-3471

Counselors coordinate therapeutic evaluation, counseling, training and placement services and can refer clients to community resources, such as independent living centers, rehabilitation facilities and a variety of vocational training options.

---

State NJ

**Goodwill Industries of New Jersey**
400 Worthington Ave.
Harrison, NJ 07029
(201) 481-2300

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

---

State NJ

**Academy House**
297 Academy Street
Jersey City, NJ 07306
(201) 656-5266

Academy House is a partial care program for clients 18 years and older; its goal is to help each client reach a level of functioning in the community. The program offers prevocation training and placement, therapy and serves several disabilities.

---

State NJ

**Matheny School**
Main Street
Peapack, NJ 07977
(201) 234-0011

A combination school/hospital serving children and young adults with severe physical disabilities. A full range of services are provided: physical therapy, occupational and speech therapy, educational programs, recreation and medical services.

---

State NJ

**Division of Special Education**
New Jersey State Department of Education
225 West State St. - CN 500
Trenton, NJ 08625
(609) 633-6833

This division of the Department of Education oversees special education programs and services in New Jersey and has information on specific services.

---

State NM

**Albuquerque Technical Vocational Institute**
Special Services
525 Buena Vista SE - Suite 15
Albuquerque, NM 87106
(505) 243-1741

A training and employment placement program for individuals with disabilities; areas addressed include computer-related programs.

---

State NM

**Southern New Mexico Rehabilitation Center**
D at East Eyman
Roswell, NM 88201
(505) 347-5491

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

---

State NM

**Division of Special Education**
Department of Education
300 Don Gaspar Avenue
Santa Fe, NM 87503
(505) 827-6541

This division of the Department of Education administers special education programs and has information on specific services in each state.

---

State NV

**Special Education Department**
400 West King St.
Carson City, NV 89710
(702) 885-3140

This division of Nevada's Department of Education administers special education programs and has information on specific services in each state.

---

State NY

**Office for Education of Children with Handicaps**
NY Department of Education
Room 1073 EBA
Albany, NY 12234
(518) 474-5548

This division of New York's Department of Education administers special education programs and has information on specific services.

---

State NY

**Human Resources Center**
201 I.U. Willetts Rd. West
Albertson, NY 11507
(516) 747-5400

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

---

State NY

**BOCES Southern Westchester**
Technology Assessment/Training Center
26 Legion Dr.
Elmsford, NY 10595
(914) 949-9331 (914) 592-7953

The Center provides advanced technology services to individuals with physical, visual, cognitive, hearing and language/learning disabilities. It provides technology assessment services which include access to microtechnology, impairment compensation, vocational/avocational needs and augmentative communication devices. BOCES functions as an information and demonstration center.

---

State NY

**The Rehabilitation Institute**
223 Jericho Turnpike
Mineola, NY 11501
(516) 741-2010

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

---

State NY

**United Cerebral Palsy**
120 East 23rd St.
New York, NY 10010
(212) 979-9700

This IBM initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

---

State NY

**DAYTOP**
54 West 40th St.
New York, NY 10018
(212) 354-6000

This training program, an IBM initiated rehabilitation program (IBMRP), offers training in fields related to programming or computer use.

---

State NY

**International Center for the Disabled**
Gen. Clerical and Learning Center
340 East 24th St.
New York, NY 10010
(212) 679-0100

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

---

State NY

**Opportunities Industrialization Center**
Skills Discovery Unit
50 Delafield St.
Poughkeepsie, NY 12601
(914) 454-6420

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

---

State NY

**Rochester Rehabilitation Center**
1000 Elmwood Avenue
Rochester, NY 14620
(716) 232-4600

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

---

State NY

**BIPED Corporation**
c/o The Burke Rehabilitation Center
785 Mamaroneck Ave.
White Plains, NY 10605
(914) 949-5656

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer professionals.

---

State NY

**Search for Change/QUIP**
66 Fulton Street
White Plains, NY 10606
(914) 686-0550

This IBM-initiated rehabilitation training program (IBMRP) offers training in fields related to personal computer use.

---

State OH

**Goodwill Industries**
10600 Springfield Pike
Cincinnati, OH 45215
(513) 771-4800

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as data processing professionals.

---

State OH

**Computer Programmer Training**
Goodwill Rehabilitation Center
1331 Edgehill Rd.
Columbus, OH 43212
(614) 294-5181

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

---

State OH

**Division of Special Education**
State Department of Education
933 High Street
Worthington, OH 43085
(614) 466-2650

This division of Ohio's Department of Education administers special education programs and has information on specific services in each state.

---

State OH

**Ohio Coalition for the Education of the Handicapped**
933 High St. - Suite 106
Worthington, OH 43085
(614) 431-1307

Currently developing a statewide database of agencies serving handicapped children.

---

State OK

**Special Education Section**
Department of Education
2500 North Lincoln - Suite 4-11
Oklahoma City, OK 73105
(405) 521-3351

This division of the State Department of Education administers special education programs and has information on specific services in each state.

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State OR

**Special Education Section**
Oregon Department of Education
700 Pringle Parkway SE
Salem, OR 97301
(503) 378-3702

This division of Oregon's Department of Education administers special education programs and has information on specific services in each state.

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State PA

**Special Education - Department of Education**
333 Market St. - 7th floor
Harrisburg, PA 17126
(717) 783-6913

This division of the State Department of Education administers special education programs and has information on specific services in each state.

---

State PA

**Jewish Employment and Vocational Service**
Orleans Vocational Center
1330 Rhawn Street
Philadelphia, PA 19111
(215) 728-4400

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

---

State PA

**Center for Information Resources**
Data Processing Training for Disabled
4025 Chestnut St. - 3rd Floor
Philadelphia, PA 19104
(215) 898-8108

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers. The center offers a course, information processing career training, which specializes in data processing and has a technology center offering consultation on the installation of information systems.

---

State PA

**Computer Careers for Persons with Disabilities**
Center for Information Resources
4025 Chestnut St. - 3rd floor
Philadelphia, PA 19104
(215) 898-8108

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

---

State PA

**Community College of Allegheny County**
Institute of Advanced Technology
808 Ridge Ave.
Pittsburgh, PA 15212
(412) 237-2767

A job training and employment placement program for individuals with physical disabilities. Graduates earn a certificate in computer programming.

---

State PA

**Pennsylvania State University**
353 Moore Bld.
Pennsylvania State University
University Park, PA 16801
(814) 863-1747

Software for reading and writing instruction with deaf, mentally retarded, learning impaired and multiply disabled children.

---

State RI

**Sargent Rehabilitation Center**
229 Waterman St.
Providence, RI 02906
(401) 751-3113

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

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State RI

**Division of Special Education**
Dept. of Education 200 Roger Williams
Bldg.22 Hayes St.
Providence, RI 02908
(401) 277-3505

This division of Rhode Island's Department of Education administers special education programs and has information on special education specific services in each local education area.

---

State SC

**Office of Programs for Handicapped**
State Department of Education
100 Executive Center Dr.
Columbia, SC 29201
(803) 737-8710

This division of South Carolina's Department of Education administers special education programs and has information on specific services.

---

State SC

**Commissioner - Vocational Rehabilitation**
1410 Boston Ave.
P.O. Box 15
West Columbia, SC 29171
(803) 739-5103

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

---

State SD

**Section for Special Education**
Division of Elementary and Secondary Schools
New State Office Building
Pierre, SD 57501
(605) 773-3678

This division of the State Department of Education administers special education programs and has information on specific services in each state.

---

State TN

**Department of Education**
Division of Special Programs
132 Cordell Hull Building
Nashville, TN 37219
(615) 741-2851

This division of Tennessee's Department of Education administers special education programs and has information on specific services in each local school system.

---

State TX

**Department of Special Education**
Texas Education Agency
1701 North Congress
Austin, TX 78701
(512) 463-9414

This division of the Department of Education administers special education programs and has information on specific services in each state.

---

State TX

**Vocational Rehabilitation Programs**
El Centro Community College
Main at Lamar
Dallas, TX 75202
(214) 746-2413

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to train and place disabled persons in the field of office systems, word processing and computerized accounting and telecommunications.

---

State TX

**Goodwill Industries of Fort Worth**
P.O. Box 1408
Fort Worth, TX 76101-1408
(817) 332-7866

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

---

State TX

**International Association of Machinists**
555 North Grants Lane
Fort Worth, TX 76108
(817) 246-2441

An employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

---

State TX

**Independent Living Research & Training Center**
3400 Bissonnet - Suite 101
Houston, TX 77005
(713) 666-6244 713/666-0643TDD

Network, independent living, directory of centers, research, training, technical assistance; disabilities - vision, mobility, hearing, learning, speech, mental.

---

State UT

**Utah Special Education Services Unit**
250 East Fifth South
Salt Lake City, UT 84111
(801) 538-7702

This unit of Utah's Office of Education administers special education programs and has information on specific services in each state.

---

State UT

**Salt Lake Skills Center**
1040 West 700 South
Salt Lake City, UT 84104
(801) 328-5511

This IBM-initiated rehabilitation program (IBMRP) helps establish a federally funded and locally operated project to select, train and place disabled persons as computer programmers.

---

State VA

**The Learning Needs and Evaluation Center**
The University of Virginia
B012 Brooks Hall
Charlottesville, VA 22903
(804) 924-3139 voice/TDD

This Center gives direct assistance to students and coordinates agency services for students with disabilities. It is open, at no cost, to all students and people from the University and the Charlottesville/Albermarle communities. The University library provides a variety of services and equipment in support of the research needs of disabled individuals.

---

State VA

**Computer Programmer Training Project**
Woodrow Wilson Rehabilitation Center
Fishersville, VA 22939
(703) 332-7227

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

---

State VA

**Special Education Support Services**
Department of Education
P.O. Box 60
Richmond, VA 23216
(804) 225-2065

This division of Virginia's Department of Education administers special education programs and has information on specific services in each state.

---

State VA

**Virginia Beach Adult Services**
3500 Virginia Beach Blvd. - Suite 310
Virginia Beach, VA 23452
(804) 486-6251

A training and employment placement program for individuals with disabilities.

---

State VT

**Special Education and Pupil Personnel Services**
Department of Education
120 State St.
Montpelier, VT 05602
(802) 828-3141

This division of Vermont's Department of Education administers special education programs and has information on specific services in each state.

---

State VT

**Lamoille City Mental Health Service**
Developmental Disabilities Services
Washington Hwy RFD 3-Box 747
Morrisville, VT 05661
(802) 888-4914

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

---

State VT

**Project Transition III**
Gilman Office Center - Bldg. 1
White River Junction, VT 05501
(802) 295-1705

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

---

State WA

**Special Education Section**
Department of Public Instruction
FG-11 Old Capitol Building
Olympia, WA 98504
(206) 753-6733

This division of Washington's Department of Education administers special education programs and has information on specific services in each state.

---

State WA

**Resource Center for the Handicapped**
Project Entry
20150 45th Ave. NE
Seattle, WA 98155
(206) 362-2273

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

---

State WI

**Trace Research-University of Wisconsin**
S-151 Waisman Center
1500 Highland Ave.
Madison, WI 53705
(608) 262-6966

The Trace Research and Development Center investigates technology and augmentative communication, control and computer access for people with disabilities. The center develops adaptive products, does research and investigates ways in which standard computer equipment can be made accessible. The center is affiliated with the Communication Aids and Systems Clinic.

---

State WI

**Division for Handicapped Children & Pupil Services**
Department of Public Instruction
P.O. Box 7841
Madison, WI 53707-7841
(608) 266-1649 608/267-2427TDD

This division of the State Department of Public Instruction provides a variety of services to families and school districts regarding special education programs, children with special health care needs, counseling, guidance and social work.

---

State WI

**Goodwill Industries of Southeastern Wisconsin Inc.**
6055 North 91st Street
Milwaukee, WI 53225
(414) 353-6400

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers.

---

State WI

**Curative Rehabilitation Center**
Vocational Adjustment Work Center Service
1000 North 92nd St.
Milwaukee, WI 53226
(414) 259-1414

A training and employment placement program for individuals with disabilities. Areas addressed include computer-related programs.

---

State WV

**Office of Special Education**
Department of Education
B-304 Building 6, Capitol Complex
Charleston, WV 25305
(304) 348-2696 (800) 642-8541

This division of the Department of Education administers special education programs and has information on specific services.

---

State WY

**Special Programs Unit**
Department of Education
Hathaway Bldg. - 2nd Floor
Cheyenne, WY 82002
(307) 777-7417

This division of Wyoming's Department of Education administers special education programs and has information on specific services in each state.

---

State MT

**Montana Deaconess Medical Center**
1101 26th Street South
Great Falls, MT 59405 USA
(406) 761-1200

Provides cognitive and vocational training and retraining. Combination Medical Center and Rehabilitation/Extended Care facility. Clients referred from all over the state of Montana. This Center has Personal Computers and IBM PS/2 Computers available for use by clients.

---

State

**Alternative Computer Training for the Disabled (ACT)**
562 Eglinton Ave. East - Suite 300
Toronto
Ontario, Canada, M4P-1B9 Canada
(416) 488-4076

This IBM-initiated rehabilitation program (IBMRP) helps establish a self-sustaining and locally operated project to select, train and place disabled persons as computer programmers and information analysts.

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